

PLA44

Modbus registers

FW version 1.00.60 and newer

version: 1.4

Modbus

The PLA44 supports following modbus functions:

03 (0x03) – Read Multiple Registers

16 (0x10) – Write Multiple Registers

Data format:

Device supports Big-Endian (high-byte before low-byte) data format.

Number formats:

TYPE	SIZE	MIN	MAX
unsigned short	16 bits	0	$2^{16} - 1$
unsigned long	32 bits	0	$2^{32} - 1$
float	32bits	IEE 754	IEE 754
long64	64bits	-2^{63}	$2^{63} - 1$

03 (0x03) – Read Multiple Registers

Measured parameters				
DESCRIPTION	NAME	ADDRESS	TYPE	UNIT
Voltage L1	U_LN_L1	40001	float	V
Voltage L2	U_LN_L2	40003	float	V
Voltage L3	U_LN_L3	40005	float	V
Voltage L4	U_LN_L4	40007	float	V
Voltage L1 – L2	U_LL_L1-2	40009	float	V
Voltage L2 – L3	U_LL_L2-3	40011	float	V
Voltage L3 – L1	U_LL_L3-1	40013	float	V
	NULL	40015		
Voltage THD L1	THDU_LN_L1	40017	float	%
Voltage THD L2	THDU_LN_L2	40019	float	%
Voltage THD L3	THDU_LN_L3	40021	float	%
	THDU_LN_L4	40023	float	%
Voltage THD L1 – L2	THDU_LL_L1-2	40025	float	%
Voltage THD L2 – L3	THDU_LL_L2-3	40027	float	%
Voltage THD L3 – L1	THDU_LL_L3-1	40029	float	%
	NULL	40031		
Current L1	PROUD_L1	40033	float	A
Current L2	PROUD_L2	40035	float	A
Current L3	PROUD_L3	40037	float	A
Current L4	PROUD_L4	40039	float	A
Current THD L1	THDI_L1	40041	float	%
Current THD L2	THDI_L2	40043	float	%
Current THD L3	THDI_L3	40045	float	%
Current THD L4	THDI_L4	40047	float	%
Cosφ L1	COS_FI_L1	40049	float	
Cosφ L2	COS_FI_L2	40051	float	
Cosφ L3	COS_FI_L3	40053	float	
Cosφ L4	COS_FI_L4	40055	float	
Power factor L1	POWERFACTOR_L1	40057	float	
Power factor L2	POWERFACTOR_L2	40059	float	
Power factor L3	POWERFACTOR_L3	40061	float	
Power factor L4	POWERFACTOR_L4	40063	float	
Power factor L1..L3	POWERFACTOR_SUMA_3F	40065	float	
	NULL	40067		
	NULL	40069		
	NULL	40071		
Power factor L1..L4	POWERFACTOR_SUMA_4F	40073	float	
	NULL	40075		
	NULL	40077		
	NULL	40079		
Frequency	FREQUENCY	40081	float	Hz
	NULL	40083		
	NULL	40085		
	NULL	40087		
Apparent power L1	S_L1	40089	float	VA
Apparent power L2	S_L2	40091	float	VA
Apparent power L3	S_L3	40093	float	VA
Apparent power L4	S_L4	40095	float	VA
Active power L1	P_P1	40097	float	W
Active power L2	P_P2	40099	float	W
Active power L3	P_P3	40101	float	W
Active power L4	P_P4	40103	float	W
Reactive power L1 consumption	Q_CONSUMPTION_L1	40105	float	var
Reactive power L2 consumption	Q_CONSUMPTION_L2	40107	float	var
Reactive power L3 consumption	Q_CONSUMPTION_L3	40109	float	var
Reactive power L4 consumption	Q_CONSUMPTION_L4	40111	float	var
Reactive power L1 supply	Q_DISTRIBUTION_L1	40113	float	var
Reactive power L2 supply	Q_DISTRIBUTION_L2	40115	float	var
Reactive power L3 supply	Q_DISTRIBUTION_L3	40117	float	var
Reactive power L4 supply	Q_DISTRIBUTION_L4	40119	float	var
Active power L1..L3	SUMA_3F_P	40121	float	W
	NULL	40123		
	NULL	40125		
	NULL	40127		
Apparent power L1..L3	SUMA_3F_S	40129	float	VA
	NULL	40131		
	NULL	40133		
	NULL	40135		
Reactive power L1..L3 consumption	SUMA_3F_Q_CONSUMPTION	40137	float	var
	NULL	40139		
	NULL	40141		

Measured parameters				
DESCRIPTION	NAME	ADDRESS	TYPE	UNIT
Reactive power L1..L3 supply	NULL	40143		
	SUMA_3F_Q_DISTRIBUTION	40145	float	var
	NULL	40147		
	NULL	40149		
Active power L1..L4	NULL	40151		
	SUMA_4F_P	40153	float	W
	NULL	40155		
	NULL	40157		
Apparent power L1..L4	NULL	40159		
	SUMA_4F_S	40161	float	VA
	NULL	40163		
	NULL	40165		
Reactive power L1..L4 consumption	NULL	40167		
	SUMA_4F_Q_CONSUMPTION	40169	float	var
	NULL	40171		
	NULL	40173		
Reactive power L1..L4 supply	NULL	40175		
	SUMA_4F_Q_DISTRIBUTION	40177	float	var
	NULL	40179		
	NULL	40181		
Under-deviation L1	NULL	40183		
Under-deviation L2	UNDERDEVIATION_LN_L1	40185	float	
Under-deviation L3	UNDERDEVIATION_LN_L2	40187	float	
Under-deviation L4	UNDERDEVIATION_LN_L3	40189	float	
Over-deviation L1	UNDERDEVIATION_LN_L4	40191	float	
Over-deviation L2	OVERDEVIATION_LN_L1	40193	float	
Over-deviation L3	OVERDEVIATION_LN_L2	40195	float	
Over-deviation L4	OVERDEVIATION_LN_L3	40197	float	
Under-deviation L1 – L2	OVERDEVIATION_LN_L4	40199	float	
Under-deviation L2 – L3	UNDERDEVIATION_LL_L1-2	40201	float	
Under-deviation L3 – L1	UNDERDEVIATION_LL_L2-3	40203	float	
Over-deviation L1 – L2	UNDERDEVIATION_LL_L3-1	40205	float	
Over-deviation L2 – L3	NULL	40207		
Over-deviation L3 – L1	OVERDEVIATION_LL_L1-2	40209	float	
Unbalance voltage L1	OVERDEVIATION_LL_L2-3	40211	float	
Unbalance voltage L2	OVERDEVIATION_LL_L3-1	40213	float	
Unbalance voltage L3	NULL	40215		
Unbalance voltage L4	UNBALANCE_LN_L1	40217	float	
Unbalance current L1	UNBALANCE_LN_L2	40219	float	
Unbalance current L2	UNBALANCE_LN_L3	40221	float	
Unbalance current L3	UNBALANCE_LN_L4	40223	float	
Unbalance current L4	UNBALANCE_I_L1	40225	float	
Ripple control L1	UNBALANCE_I_L2	40227	float	
Ripple control L2	UNBALANCE_I_L3	40229	float	
Ripple control L3	UNBALANCE_I_L4	40231	float	
Ripple control L4	RIPPLE_CONTROL_L1	40233	float	
Short flicker L1	RIPPLE_CONTROL_L2	40235	float	
Short flicker L2	RIPPLE_CONTROL_L3	40237	float	
Short flicker L3	RIPPLE_CONTROL_L4	40239	float	
Short flicker L4	SHORT_FLICKER_L1	40241	float	
Long flicker L1	SHORT_FLICKER_L2	40243	float	
Long flicker L2	SHORT_FLICKER_L3	40245	float	
Long flicker L3	SHORT_FLICKER_L4	40247	float	
Long flicker L4	LONG_FLICKER_L1	40249	float	
	LONG_FLICKER_L2	40251	float	
	LONG_FLICKER_L3	40253	float	
	LONG_FLICKER_L4	40255	float	
	NULL	40257		
	NULL	40259		
	NULL	40261		
	NULL	40263		
	NULL	40265		
	NULL	40267		
	NULL	40269		
	NULL	40271		
	NULL	40273		
	NULL	40275		
	NULL	40277		
	NULL	40279		
K-factor L1	K_FACTOR_L1	40281	float	
K-factor L2	K_FACTOR_L2	40283	float	

Measured parameters				
DESCRIPTION	NAME	ADDRESS	TYPE	UNIT
K-factor L3	K_FACTOR_L3	40285	float	
K-factor L4	K_FACTOR_L4	40287	float	
Distortion power L1	DISTORTION_POWER_L1	40289	float	
Distortion power L2	DISTORTION_POWER_L2	40291	float	
Distortion power L3	DISTORTION_POWER_L3	40293	float	
Distortion power L4	DISTORTION_POWER_L4	40295	float	
Temperature	TEMPERATURE	40297	float	°C
	NULL	40299		
	NULL	40301		
	NULL	40303		
Angle voltage L1	ANGLE_U_L1	40305	float	°
Angle voltage L2	ANGLE_U_L2	40307	float	°
Angle voltage L3	ANGLE_U_L3	40309	float	°
Angle voltage L4	ANGLE_U_L4	40311	float	°
Angle current L1	ANGLE_I_L1	40313	float	°
Angle current L2	ANGLE_I_L2	40315	float	°
Angle current L3	ANGLE_I_L3	40317	float	°
	NULL	40319		
Cosφ L1 consumption	COS_FI_CONSUMPTION_L1	40321	float	
Cosφ L2 consumption	COS_FI_CONSUMPTION_L2	40323	float	
Cosφ L3 consumption	COS_FI_CONSUMPTION_L3	40325	float	
Cosφ L4 consumption	COS_FI_CONSUMPTION_L4	40327	float	
Cosφ L1 supply	COS_FI_DISTRIBUTION_L1	40329	float	
Cosφ L2 supply	COS_FI_DISTRIBUTION_L2	40331	float	
Cosφ L3 supply	COS_FI_DISTRIBUTION_L3	40333	float	
Cosφ L4 supply	COS_FI_DISTRIBUTION_L4	40335	float	
Power factor L1 consumption	POWERFACTOR_CONSUMPTION_L1	40337	float	
Power factor L2 consumption	POWERFACTOR_CONSUMPTION_L2	40339	float	
Power factor L3 consumption	POWERFACTOR_CONSUMPTION_L3	40341	float	
Power factor L4 consumption	POWERFACTOR_CONSUMPTION_L4	40343	float	
Power factor L1 supply	POWERFACTOR_DISTRIBUTION_L1	40345	float	
Power factor L2 supply	POWERFACTOR_DISTRIBUTION_L2	40347	float	
Power factor L3 supply	POWERFACTOR_DISTRIBUTION_L3	40349	float	
Power factor L4 supply	POWERFACTOR_DISTRIBUTION_L4	40351	float	
Power factor L1..L4 supply	POWERFACTOR_SUMA_4F_DISTRIBUTION	40353	float	
	NULL	40355		
	NULL	40357		
	NULL	40359		
Power factor L1..L4 consumption	POWERFACTOR_SUMA_4F_CONSUMPTION	40361	float	
	NULL	40363		
	NULL	40365		
	NULL	40367		
Power factor L1..L3 supply	POWERFACTOR_SUMA_3F_DISTRIBUTION	40369	float	
	NULL	40371		
	NULL	40373		
	NULL	40375		
Power factor L1..L3 consumption	POWERFACTOR_SUMA_3F_CONSUMPTION	40377	float	
	NULL	40379		
	NULL	40381		
	NULL	40383		
Active power L1 consumption	P_CONSUMPTION_L1	40385	float	W
Active power L2 consumption	P_CONSUMPTION_L2	40387	float	W
Active power L3 consumption	P_CONSUMPTION_L3	40389	float	W
Active power L4 consumption	P_CONSUMPTION_L4	40391	float	W
Active power L1 supply	P_DISTRIBUTION_L1	40393	float	W
Active power L2 supply	P_DISTRIBUTION_L2	40395	float	W
Active power L3 supply	P_DISTRIBUTION_L3	40397	float	W
Active power L4 supply	P_DISTRIBUTION_L4	40399	float	W
Active power L1..L3 consumption	SUMA_3F_P_CONSUMPTION	40401	float	W
	NULL	40403		
	NULL	40405		
	NULL	40407		
Active power L1..L3 supply	SUMA_3F_P_DISTRIBUTION	40409	float	W
	NULL	40411		
	NULL	40413		
	NULL	40415		
Active power L1..L4 consumption	SUMA_4F_P_CONSUMPTION	40417	float	W
	NULL	40419		
	NULL	40421		
	NULL	40423		
Active power L1..L4 supply	SUMA_4F_P_DISTRIBUTION	40425	float	W

Voltage harmonics				
DESCRIPTION	NAME	ADDRESS	TYPE	UNIT
Voltage 1.harmonic L1	HARM_U1_L1	40481	float	V
Voltage 1.harmonic L2	HARM_U1_L2	40483	float	V
Voltage 1.harmonic L3	HARM_U1_L3	40485	float	V
Voltage 1.harmonic L4	HARM_U1_L4	40487	float	V
Voltage 2.harmonic L1	HARM_U2_L1	40489	float	V
Voltage 2.harmonic L2	HARM_U2_L2	40491	float	V
Voltage 2.harmonic L3	HARM_U2_L3	40493	float	V
Voltage 2.harmonic L4	HARM_U2_L4	40495	float	V
Voltage 3.harmonic L1	HARM_U3_L1	40497	float	V
Voltage 3.harmonic L2	HARM_U3_L2	40499	float	V
Voltage 3.harmonic L3	HARM_U3_L3	40501	float	V
Voltage 3.harmonic L4	HARM_U3_L4	40503	float	V
Voltage 4.harmonic L1	HARM_U4_L1	40505	float	V
Voltage 4.harmonic L2	HARM_U4_L2	40507	float	V
Voltage 4.harmonic L3	HARM_U4_L3	40509	float	V
Voltage 4.harmonic L4	HARM_U4_L4	40511	float	V
Voltage 5.harmonic L1	HARM_U5_L1	40513	float	V
Voltage 5.harmonic L2	HARM_U5_L2	40515	float	V
Voltage 5.harmonic L3	HARM_U5_L3	40517	float	V
Voltage 5.harmonic L4	HARM_U5_L4	40519	float	V
Voltage 6.harmonic L1	HARM_U6_L1	40521	float	V
Voltage 6.harmonic L2	HARM_U6_L2	40523	float	V
Voltage 6.harmonic L3	HARM_U6_L3	40525	float	V
Voltage 6.harmonic L4	HARM_U6_L4	40527	float	V
Voltage 7.harmonic L1	HARM_U7_L1	40529	float	V
Voltage 7.harmonic L2	HARM_U7_L2	40531	float	V
Voltage 7.harmonic L3	HARM_U7_L3	40533	float	V
Voltage 7.harmonic L4	HARM_U7_L4	40535	float	V
Voltage 8.harmonic L1	HARM_U8_L1	40537	float	V
Voltage 8.harmonic L2	HARM_U8_L2	40539	float	V
Voltage 8.harmonic L3	HARM_U8_L3	40541	float	V
Voltage 8.harmonic L4	HARM_U8_L4	40543	float	V
Voltage 9.harmonic L1	HARM_U9_L1	40545	float	V
Voltage 9.harmonic L2	HARM_U9_L2	40547	float	V
Voltage 9.harmonic L3	HARM_U9_L3	40549	float	V
Voltage 9.harmonic L4	HARM_U9_L4	40551	float	V
Voltage 10.harmonic L1	HARM_U10_L1	40553	float	V
Voltage 10.harmonic L2	HARM_U10_L2	40555	float	V
Voltage 10.harmonic L3	HARM_U10_L3	40557	float	V
Voltage 10.harmonic L4	HARM_U10_L4	40559	float	V
Voltage 11.harmonic L1	HARM_U11_L1	40561	float	V
Voltage 11.harmonic L2	HARM_U11_L2	40563	float	V
Voltage 11.harmonic L3	HARM_U11_L3	40565	float	V
Voltage 11.harmonic L4	HARM_U11_L4	40567	float	V
Voltage 12.harmonic L1	HARM_U12_L1	40569	float	V
Voltage 12.harmonic L2	HARM_U12_L2	40571	float	V
Voltage 12.harmonic L3	HARM_U12_L3	40573	float	V
Voltage 12.harmonic L4	HARM_U12_L4	40575	float	V
Voltage 13.harmonic L1	HARM_U13_L1	40577	float	V
Voltage 13.harmonic L2	HARM_U13_L2	40579	float	V
Voltage 13.harmonic L3	HARM_U13_L3	40581	float	V
Voltage 13.harmonic L4	HARM_U13_L4	40583	float	V
Voltage 14.harmonic L1	HARM_U14_L1	40585	float	V
Voltage 14.harmonic L2	HARM_U14_L2	40587	float	V
Voltage 14.harmonic L3	HARM_U14_L3	40589	float	V
Voltage 14.harmonic L4	HARM_U14_L4	40591	float	V
Voltage 15.harmonic L1	HARM_U15_L1	40593	float	V
Voltage 15.harmonic L2	HARM_U15_L2	40595	float	V
Voltage 15.harmonic L3	HARM_U15_L3	40597	float	V
Voltage 15.harmonic L4	HARM_U15_L4	40599	float	V
Voltage 16.harmonic L1	HARM_U16_L1	40601	float	V
Voltage 16.harmonic L2	HARM_U16_L2	40603	float	V
Voltage 16.harmonic L3	HARM_U16_L3	40605	float	V
Voltage 16.harmonic L4	HARM_U16_L4	40607	float	V
Voltage 17.harmonic L1	HARM_U17_L1	40609	float	V
Voltage 17.harmonic L2	HARM_U17_L2	40611	float	V
Voltage 17.harmonic L3	HARM_U17_L3	40613	float	V
Voltage 17.harmonic L4	HARM_U17_L4	40615	float	V
Voltage 18.harmonic L1	HARM_U18_L1	40617	float	V
Voltage 18.harmonic L2	HARM_U18_L2	40619	float	V
Voltage 18.harmonic L3	HARM_U18_L3	40621	float	V

Voltage harmonics				
DESCRIPTION	NAME	ADDRESS	TYPE	UNIT
Voltage 18.harmonic L4	HARM_U18_L4	40623	float	V
Voltage 19.harmonic L1	HARM_U19_L1	40625	float	V
Voltage 19.harmonic L2	HARM_U19_L2	40627	float	V
Voltage 19.harmonic L3	HARM_U19_L3	40629	float	V
Voltage 19.harmonic L4	HARM_U19_L4	40631	float	V
Voltage 20.harmonic L1	HARM_U20_L1	40633	float	V
Voltage 20.harmonic L2	HARM_U20_L2	40635	float	V
Voltage 20.harmonic L3	HARM_U20_L3	40637	float	V
Voltage 20.harmonic L4	HARM_U20_L4	40639	float	V
Voltage 21.harmonic L1	HARM_U21_L1	40641	float	V
Voltage 21.harmonic L2	HARM_U21_L2	40643	float	V
Voltage 21.harmonic L3	HARM_U21_L3	40645	float	V
Voltage 21.harmonic L4	HARM_U21_L4	40647	float	V
Voltage 22.harmonic L1	HARM_U22_L1	40649	float	V
Voltage 22.harmonic L2	HARM_U22_L2	40651	float	V
Voltage 22.harmonic L3	HARM_U22_L3	40653	float	V
Voltage 22.harmonic L4	HARM_U22_L4	40655	float	V
Voltage 23.harmonic L1	HARM_U23_L1	40657	float	V
Voltage 23.harmonic L2	HARM_U23_L2	40659	float	V
Voltage 23.harmonic L3	HARM_U23_L3	40661	float	V
Voltage 23.harmonic L4	HARM_U23_L4	40663	float	V
Voltage 24.harmonic L1	HARM_U24_L1	40665	float	V
Voltage 24.harmonic L2	HARM_U24_L2	40667	float	V
Voltage 24.harmonic L3	HARM_U24_L3	40669	float	V
Voltage 24.harmonic L4	HARM_U24_L4	40671	float	V
Voltage 25.harmonic L1	HARM_U25_L1	40673	float	V
Voltage 25.harmonic L2	HARM_U25_L2	40675	float	V
Voltage 25.harmonic L3	HARM_U25_L3	40677	float	V
Voltage 25.harmonic L4	HARM_U25_L4	40679	float	V
Voltage 26.harmonic L1	HARM_U26_L1	40681	float	V
Voltage 26.harmonic L2	HARM_U26_L2	40683	float	V
Voltage 26.harmonic L3	HARM_U26_L3	40685	float	V
Voltage 26.harmonic L4	HARM_U26_L4	40687	float	V
Voltage 27.harmonic L1	HARM_U27_L1	40689	float	V
Voltage 27.harmonic L2	HARM_U27_L2	40691	float	V
Voltage 27.harmonic L3	HARM_U27_L3	40693	float	V
Voltage 27.harmonic L4	HARM_U27_L4	40695	float	V
Voltage 28.harmonic L1	HARM_U28_L1	40697	float	V
Voltage 28.harmonic L2	HARM_U28_L2	40699	float	V
Voltage 28.harmonic L3	HARM_U28_L3	40701	float	V
Voltage 28.harmonic L4	HARM_U28_L4	40703	float	V
Voltage 29.harmonic L1	HARM_U29_L1	40705	float	V
Voltage 29.harmonic L2	HARM_U29_L2	40707	float	V
Voltage 29.harmonic L3	HARM_U29_L3	40709	float	V
Voltage 29.harmonic L4	HARM_U29_L4	40711	float	V
Voltage 30.harmonic L1	HARM_U30_L1	40713	float	V
Voltage 30.harmonic L2	HARM_U30_L2	40715	float	V
Voltage 30.harmonic L3	HARM_U30_L3	40717	float	V
Voltage 30.harmonic L4	HARM_U30_L4	40719	float	V
Voltage 31.harmonic L1	HARM_U31_L1	40721	float	V
Voltage 31.harmonic L2	HARM_U31_L2	40723	float	V
Voltage 31.harmonic L3	HARM_U31_L3	40725	float	V
Voltage 31.harmonic L4	HARM_U31_L4	40727	float	V
Voltage 32.harmonic L1	HARM_U32_L1	40729	float	V
Voltage 32.harmonic L2	HARM_U32_L2	40731	float	V
Voltage 32.harmonic L3	HARM_U32_L3	40733	float	V
Voltage 32.harmonic L4	HARM_U32_L4	40735	float	V
Voltage 33.harmonic L1	HARM_U33_L1	40737	float	V
Voltage 33.harmonic L2	HARM_U33_L2	40739	float	V
Voltage 33.harmonic L3	HARM_U33_L3	40741	float	V
Voltage 33.harmonic L4	HARM_U33_L4	40743	float	V
Voltage 34.harmonic L1	HARM_U34_L1	40745	float	V
Voltage 34.harmonic L2	HARM_U34_L2	40747	float	V
Voltage 34.harmonic L3	HARM_U34_L3	40749	float	V
Voltage 34.harmonic L4	HARM_U34_L4	40751	float	V
Voltage 35.harmonic L1	HARM_U35_L1	40753	float	V
Voltage 35.harmonic L2	HARM_U35_L2	40755	float	V
Voltage 35.harmonic L3	HARM_U35_L3	40757	float	V
Voltage 35.harmonic L4	HARM_U35_L4	40759	float	V
Voltage 36.harmonic L1	HARM_U36_L1	40761	float	V
Voltage 36.harmonic L2	HARM_U36_L2	40763	float	V

Voltage harmonics				
DESCRIPTION	NAME	ADDRESS	TYPE	UNIT
Voltage 36.harmonic L3	HARM_U36_L3	40765	float	V
Voltage 36.harmonic L4	HARM_U36_L4	40767	float	V
Voltage 37.harmonic L1	HARM_U37_L1	40769	float	V
Voltage 37.harmonic L2	HARM_U37_L2	40771	float	V
Voltage 37.harmonic L3	HARM_U37_L3	40773	float	V
Voltage 37.harmonic L4	HARM_U37_L4	40775	float	V
Voltage 38.harmonic L1	HARM_U38_L1	40777	float	V
Voltage 38.harmonic L2	HARM_U38_L2	40779	float	V
Voltage 38.harmonic L3	HARM_U38_L3	40781	float	V
Voltage 38.harmonic L4	HARM_U38_L4	40783	float	V
Voltage 39.harmonic L1	HARM_U39_L1	40785	float	V
Voltage 39.harmonic L2	HARM_U39_L2	40787	float	V
Voltage 39.harmonic L3	HARM_U39_L3	40789	float	V
Voltage 39.harmonic L4	HARM_U39_L4	40791	float	V
Voltage 40.harmonic L1	HARM_U40_L1	40793	float	V
Voltage 40.harmonic L2	HARM_U40_L2	40795	float	V
Voltage 40.harmonic L3	HARM_U40_L3	40797	float	V
Voltage 40.harmonic L4	HARM_U40_L4	40799	float	V
Voltage 41.harmonic L1	HARM_U41_L1	40801	float	V
Voltage 41.harmonic L2	HARM_U41_L2	40803	float	V
Voltage 41.harmonic L3	HARM_U41_L3	40805	float	V
Voltage 41.harmonic L4	HARM_U41_L4	40807	float	V
Voltage 42.harmonic L1	HARM_U42_L1	40809	float	V
Voltage 42.harmonic L2	HARM_U42_L2	40811	float	V
Voltage 42.harmonic L3	HARM_U42_L3	40813	float	V
Voltage 42.harmonic L4	HARM_U42_L4	40815	float	V
Voltage 43.harmonic L1	HARM_U43_L1	40817	float	V
Voltage 43.harmonic L2	HARM_U43_L2	40819	float	V
Voltage 43.harmonic L3	HARM_U43_L3	40821	float	V
Voltage 43.harmonic L4	HARM_U43_L4	40823	float	V
Voltage 44.harmonic L1	HARM_U44_L1	40825	float	V
Voltage 44.harmonic L2	HARM_U44_L2	40827	float	V
Voltage 44.harmonic L3	HARM_U44_L3	40829	float	V
Voltage 44.harmonic L4	HARM_U44_L4	40831	float	V
Voltage 45.harmonic L1	HARM_U45_L1	40833	float	V
Voltage 45.harmonic L2	HARM_U45_L2	40835	float	V
Voltage 45.harmonic L3	HARM_U45_L3	40837	float	V
Voltage 45.harmonic L4	HARM_U45_L4	40839	float	V
Voltage 46.harmonic L1	HARM_U46_L1	40841	float	V
Voltage 46.harmonic L2	HARM_U46_L2	40843	float	V
Voltage 46.harmonic L3	HARM_U46_L3	40845	float	V
Voltage 46.harmonic L4	HARM_U46_L4	40847	float	V
Voltage 47.harmonic L1	HARM_U47_L1	40849	float	V
Voltage 47.harmonic L2	HARM_U47_L2	40851	float	V
Voltage 47.harmonic L3	HARM_U47_L3	40853	float	V
Voltage 47.harmonic L4	HARM_U47_L4	40855	float	V
Voltage 48.harmonic L1	HARM_U48_L1	40857	float	V
Voltage 48.harmonic L2	HARM_U48_L2	40859	float	V
Voltage 48.harmonic L3	HARM_U48_L3	40861	float	V
Voltage 48.harmonic L4	HARM_U48_L4	40863	float	V
Voltage 49.harmonic L1	HARM_U49_L1	40865	float	V
Voltage 49.harmonic L2	HARM_U49_L2	40867	float	V
Voltage 49.harmonic L3	HARM_U49_L3	40869	float	V
Voltage 49.harmonic L4	HARM_U49_L4	40871	float	V
Voltage 50.harmonic L1	HARM_U50_L1	40873	float	V
Voltage 50.harmonic L2	HARM_U50_L2	40875	float	V
Voltage 50.harmonic L3	HARM_U50_L3	40877	float	V
Voltage 50.harmonic L4	HARM_U50_L4	40879	float	V
Voltage 51.harmonic L1	HARM_U51_L1	40881	float	V
Voltage 51.harmonic L2	HARM_U51_L2	40883	float	V
Voltage 51.harmonic L3	HARM_U51_L3	40885	float	V
Voltage 51.harmonic L4	HARM_U51_L4	40887	float	V
Voltage 52.harmonic L1	HARM_U52_L1	40889	float	V
Voltage 52.harmonic L2	HARM_U52_L2	40891	float	V
Voltage 52.harmonic L3	HARM_U52_L3	40893	float	V
Voltage 52.harmonic L4	HARM_U52_L4	40895	float	V
Voltage 53.harmonic L1	HARM_U53_L1	40897	float	V
Voltage 53.harmonic L2	HARM_U53_L2	40899	float	V
Voltage 53.harmonic L3	HARM_U53_L3	40901	float	V
Voltage 53.harmonic L4	HARM_U53_L4	40903	float	V
Voltage 54.harmonic L1	HARM_U54_L1	40905	float	V

Voltage harmonics				
DESCRIPTION	NAME	ADDRESS	TYPE	UNIT
Voltage 54.harmonic L2	HARM_U54_L2	40907	float	V
Voltage 54.harmonic L3	HARM_U54_L3	40909	float	V
Voltage 54.harmonic L4	HARM_U54_L4	40911	float	V
Voltage 55.harmonic L1	HARM_U55_L1	40913	float	V
Voltage 55.harmonic L2	HARM_U55_L2	40915	float	V
Voltage 55.harmonic L3	HARM_U55_L3	40917	float	V
Voltage 55.harmonic L4	HARM_U55_L4	40919	float	V
Voltage 56.harmonic L1	HARM_U56_L1	40921	float	V
Voltage 56.harmonic L2	HARM_U56_L2	40923	float	V
Voltage 56.harmonic L3	HARM_U56_L3	40925	float	V
Voltage 56.harmonic L4	HARM_U56_L4	40927	float	V
Voltage 57.harmonic L1	HARM_U57_L1	40929	float	V
Voltage 57.harmonic L2	HARM_U57_L2	40931	float	V
Voltage 57.harmonic L3	HARM_U57_L3	40933	float	V
Voltage 57.harmonic L4	HARM_U57_L4	40935	float	V
Voltage 58.harmonic L1	HARM_U58_L1	40937	float	V
Voltage 58.harmonic L2	HARM_U58_L2	40939	float	V
Voltage 58.harmonic L3	HARM_U58_L3	40941	float	V
Voltage 58.harmonic L4	HARM_U58_L4	40943	float	V
Voltage 59.harmonic L1	HARM_U59_L1	40945	float	V
Voltage 59.harmonic L2	HARM_U59_L2	40947	float	V
Voltage 59.harmonic L3	HARM_U59_L3	40949	float	V
Voltage 59.harmonic L4	HARM_U59_L4	40951	float	V
Voltage 60.harmonic L1	HARM_U60_L1	40953	float	V
Voltage 60.harmonic L2	HARM_U60_L2	40955	float	V
Voltage 60.harmonic L3	HARM_U60_L3	40957	float	V
Voltage 60.harmonic L4	HARM_U60_L4	40959	float	V
Voltage 61.harmonic L1	HARM_U61_L1	40961	float	V
Voltage 61.harmonic L2	HARM_U61_L2	40963	float	V
Voltage 61.harmonic L3	HARM_U61_L3	40965	float	V
Voltage 61.harmonic L4	HARM_U61_L4	40967	float	V
Voltage 62.harmonic L1	HARM_U62_L1	40969	float	V
Voltage 62.harmonic L2	HARM_U62_L2	40971	float	V
Voltage 62.harmonic L3	HARM_U62_L3	40973	float	V
Voltage 62.harmonic L4	HARM_U62_L4	40975	float	V
Voltage 63.harmonic L1	HARM_U63_L1	40977	float	V
Voltage 63.harmonic L2	HARM_U63_L2	40979	float	V
Voltage 63.harmonic L3	HARM_U63_L3	40981	float	V
Voltage 63.harmonic L4	HARM_U63_L4	40983	float	V
Voltage 64.harmonic L1	HARM_U64_L1	40985	float	V
Voltage 64.harmonic L2	HARM_U64_L2	40987	float	V
Voltage 64.harmonic L3	HARM_U64_L3	40989	float	V
Voltage 64.harmonic L4	HARM_U64_L4	40991	float	V

Voltage inter-harmonics				
DESCRIPTION	NAME	ADDRESS	TYPE	UNIT
Voltage 1.inter-harmonic L1	INTERHARM_U1_L1	40993	float	V
Voltage 1.inter-harmonic L2	INTERHARM_U1_L2	40995	float	V
Voltage 1.inter-harmonic L3	INTERHARM_U1_L3	40997	float	V
Voltage 1.inter-harmonic L4	INTERHARM_U1_L4	40999	float	V
Voltage 2.inter-harmonic L1	INTERHARM_U2_L1	41001	float	V
Voltage 2.inter-harmonic L2	INTERHARM_U2_L2	41003	float	V
Voltage 2.inter-harmonic L3	INTERHARM_U2_L3	41005	float	V
Voltage 2.inter-harmonic L4	INTERHARM_U2_L4	41007	float	V
Voltage 3.inter-harmonic L1	INTERHARM_U3_L1	41009	float	V
Voltage 3.inter-harmonic L2	INTERHARM_U3_L2	41011	float	V
Voltage 3.inter-harmonic L3	INTERHARM_U3_L3	41013	float	V
Voltage 3.inter-harmonic L4	INTERHARM_U3_L4	41015	float	V
Voltage 4.inter-harmonic L1	INTERHARM_U4_L1	41017	float	V
Voltage 4.inter-harmonic L2	INTERHARM_U4_L2	41019	float	V
Voltage 4.inter-harmonic L3	INTERHARM_U4_L3	41021	float	V
Voltage 4.inter-harmonic L4	INTERHARM_U4_L4	41023	float	V
Voltage 5.inter-harmonic L1	INTERHARM_U5_L1	41025	float	V
Voltage 5.inter-harmonic L2	INTERHARM_U5_L2	41027	float	V
Voltage 5.inter-harmonic L3	INTERHARM_U5_L3	41029	float	V
Voltage 5.inter-harmonic L4	INTERHARM_U5_L4	41031	float	V
Voltage 6.inter-harmonic L1	INTERHARM_U6_L1	41033	float	V
Voltage 6.inter-harmonic L2	INTERHARM_U6_L2	41035	float	V
Voltage 6.inter-harmonic L3	INTERHARM_U6_L3	41037	float	V
Voltage 6.inter-harmonic L4	INTERHARM_U6_L4	41039	float	V
Voltage 7.inter-harmonic L1	INTERHARM_U7_L1	41041	float	V
Voltage 7.inter-harmonic L2	INTERHARM_U7_L2	41043	float	V
Voltage 7.inter-harmonic L3	INTERHARM_U7_L3	41045	float	V
Voltage 7.inter-harmonic L4	INTERHARM_U7_L4	41047	float	V
Voltage 8.inter-harmonic L1	INTERHARM_U8_L1	41049	float	V
Voltage 8.inter-harmonic L2	INTERHARM_U8_L2	41051	float	V
Voltage 8.inter-harmonic L3	INTERHARM_U8_L3	41053	float	V
Voltage 8.inter-harmonic L4	INTERHARM_U8_L4	41055	float	V
Voltage 9.inter-harmonic L1	INTERHARM_U9_L1	41057	float	V
Voltage 9.inter-harmonic L2	INTERHARM_U9_L2	41059	float	V
Voltage 9.inter-harmonic L3	INTERHARM_U9_L3	41061	float	V
Voltage 9.inter-harmonic L4	INTERHARM_U9_L4	41063	float	V
Voltage 10.inter-harmonic L1	INTERHARM_U10_L1	41065	float	V
Voltage 10.inter-harmonic L2	INTERHARM_U10_L2	41067	float	V
Voltage 10.inter-harmonic L3	INTERHARM_U10_L3	41069	float	V
Voltage 10.inter-harmonic L4	INTERHARM_U10_L4	41071	float	V
Voltage 11.inter-harmonic L1	INTERHARM_U11_L1	41073	float	V
Voltage 11.inter-harmonic L2	INTERHARM_U11_L2	41075	float	V
Voltage 11.inter-harmonic L3	INTERHARM_U11_L3	41077	float	V
Voltage 11.inter-harmonic L4	INTERHARM_U11_L4	41079	float	V
Voltage 12.inter-harmonic L1	INTERHARM_U12_L1	41081	float	V
Voltage 12.inter-harmonic L2	INTERHARM_U12_L2	41083	float	V
Voltage 12.inter-harmonic L3	INTERHARM_U12_L3	41085	float	V
Voltage 12.inter-harmonic L4	INTERHARM_U12_L4	41087	float	V
Voltage 13.inter-harmonic L1	INTERHARM_U13_L1	41089	float	V
Voltage 13.inter-harmonic L2	INTERHARM_U13_L2	41091	float	V
Voltage 13.inter-harmonic L3	INTERHARM_U13_L3	41093	float	V
Voltage 13.inter-harmonic L4	INTERHARM_U13_L4	41095	float	V
Voltage 14.inter-harmonic L1	INTERHARM_U14_L1	41097	float	V
Voltage 14.inter-harmonic L2	INTERHARM_U14_L2	41099	float	V
Voltage 14.inter-harmonic L3	INTERHARM_U14_L3	41101	float	V
Voltage 14.inter-harmonic L4	INTERHARM_U14_L4	41103	float	V
Voltage 15.inter-harmonic L1	INTERHARM_U15_L1	41105	float	V
Voltage 15.inter-harmonic L2	INTERHARM_U15_L2	41107	float	V
Voltage 15.inter-harmonic L3	INTERHARM_U15_L3	41109	float	V
Voltage 15.inter-harmonic L4	INTERHARM_U15_L4	41111	float	V
Voltage 16.inter-harmonic L1	INTERHARM_U16_L1	41113	float	V
Voltage 16.inter-harmonic L2	INTERHARM_U16_L2	41115	float	V
Voltage 16.inter-harmonic L3	INTERHARM_U16_L3	41117	float	V
Voltage 16.inter-harmonic L4	INTERHARM_U16_L4	41119	float	V
Voltage 17.inter-harmonic L1	INTERHARM_U17_L1	41121	float	V
Voltage 17.inter-harmonic L2	INTERHARM_U17_L2	41123	float	V
Voltage 17.inter-harmonic L3	INTERHARM_U17_L3	41125	float	V
Voltage 17.inter-harmonic L4	INTERHARM_U17_L4	41127	float	V
Voltage 18.inter-harmonic L1	INTERHARM_U18_L1	41129	float	V
Voltage 18.inter-harmonic L2	INTERHARM_U18_L2	41131	float	V
Voltage 18.inter-harmonic L3	INTERHARM_U18_L3	41133	float	V

Voltage inter-harmonics				
DESCRIPTION	NAME	ADDRESS	TYPE	UNIT
Voltage 18.inter-harmonic L4	INTERHARM_U18_L4	41135	float	V
Voltage 19.inter-harmonic L1	INTERHARM_U19_L1	41137	float	V
Voltage 19.inter-harmonic L2	INTERHARM_U19_L2	41139	float	V
Voltage 19.inter-harmonic L3	INTERHARM_U19_L3	41141	float	V
Voltage 19.inter-harmonic L4	INTERHARM_U19_L4	41143	float	V
Voltage 20.inter-harmonic L1	INTERHARM_U20_L1	41145	float	V
Voltage 20.inter-harmonic L2	INTERHARM_U20_L2	41147	float	V
Voltage 20.inter-harmonic L3	INTERHARM_U20_L3	41149	float	V
Voltage 20.inter-harmonic L4	INTERHARM_U20_L4	41151	float	V
Voltage 21.inter-harmonic L1	INTERHARM_U21_L1	41153	float	V
Voltage 21.inter-harmonic L2	INTERHARM_U21_L2	41155	float	V
Voltage 21.inter-harmonic L3	INTERHARM_U21_L3	41157	float	V
Voltage 21.inter-harmonic L4	INTERHARM_U21_L4	41159	float	V
Voltage 22.inter-harmonic L1	INTERHARM_U22_L1	41161	float	V
Voltage 22.inter-harmonic L2	INTERHARM_U22_L2	41163	float	V
Voltage 22.inter-harmonic L3	INTERHARM_U22_L3	41165	float	V
Voltage 22.inter-harmonic L4	INTERHARM_U22_L4	41167	float	V
Voltage 23.inter-harmonic L1	INTERHARM_U23_L1	41169	float	V
Voltage 23.inter-harmonic L2	INTERHARM_U23_L2	41171	float	V
Voltage 23.inter-harmonic L3	INTERHARM_U23_L3	41173	float	V
Voltage 23.inter-harmonic L4	INTERHARM_U23_L4	41175	float	V
Voltage 24.inter-harmonic L1	INTERHARM_U24_L1	41177	float	V
Voltage 24.inter-harmonic L2	INTERHARM_U24_L2	41179	float	V
Voltage 24.inter-harmonic L3	INTERHARM_U24_L3	41181	float	V
Voltage 24.inter-harmonic L4	INTERHARM_U24_L4	41183	float	V
Voltage 25.inter-harmonic L1	INTERHARM_U25_L1	41185	float	V
Voltage 25.inter-harmonic L2	INTERHARM_U25_L2	41187	float	V
Voltage 25.inter-harmonic L3	INTERHARM_U25_L3	41189	float	V
Voltage 25.inter-harmonic L4	INTERHARM_U25_L4	41191	float	V
Voltage 26.inter-harmonic L1	INTERHARM_U26_L1	41193	float	V
Voltage 26.inter-harmonic L2	INTERHARM_U26_L2	41195	float	V
Voltage 26.inter-harmonic L3	INTERHARM_U26_L3	41197	float	V
Voltage 26.inter-harmonic L4	INTERHARM_U26_L4	41199	float	V
Voltage 27.inter-harmonic L1	INTERHARM_U27_L1	41201	float	V
Voltage 27.inter-harmonic L2	INTERHARM_U27_L2	41203	float	V
Voltage 27.inter-harmonic L3	INTERHARM_U27_L3	41205	float	V
Voltage 27.inter-harmonic L4	INTERHARM_U27_L4	41207	float	V
Voltage 28.inter-harmonic L1	INTERHARM_U28_L1	41209	float	V
Voltage 28.inter-harmonic L2	INTERHARM_U28_L2	41211	float	V
Voltage 28.inter-harmonic L3	INTERHARM_U28_L3	41213	float	V
Voltage 28.inter-harmonic L4	INTERHARM_U28_L4	41215	float	V
Voltage 29.inter-harmonic L1	INTERHARM_U29_L1	41217	float	V
Voltage 29.inter-harmonic L2	INTERHARM_U29_L2	41219	float	V
Voltage 29.inter-harmonic L3	INTERHARM_U29_L3	41221	float	V
Voltage 29.inter-harmonic L4	INTERHARM_U29_L4	41223	float	V
Voltage 30.inter-harmonic L1	INTERHARM_U30_L1	41225	float	V
Voltage 30.inter-harmonic L2	INTERHARM_U30_L2	41227	float	V
Voltage 30.inter-harmonic L3	INTERHARM_U30_L3	41229	float	V
Voltage 30.inter-harmonic L4	INTERHARM_U30_L4	41231	float	V
Voltage 31.inter-harmonic L1	INTERHARM_U31_L1	41233	float	V
Voltage 31.inter-harmonic L2	INTERHARM_U31_L2	41235	float	V
Voltage 31.inter-harmonic L3	INTERHARM_U31_L3	41237	float	V
Voltage 31.inter-harmonic L4	INTERHARM_U31_L4	41239	float	V
Voltage 32.inter-harmonic L1	INTERHARM_U32_L1	41241	float	V
Voltage 32.inter-harmonic L2	INTERHARM_U32_L2	41243	float	V
Voltage 32.inter-harmonic L3	INTERHARM_U32_L3	41245	float	V
Voltage 32.inter-harmonic L4	INTERHARM_U32_L4	41247	float	V
Voltage 33.inter-harmonic L1	INTERHARM_U33_L1	41249	float	V
Voltage 33.inter-harmonic L2	INTERHARM_U33_L2	41251	float	V
Voltage 33.inter-harmonic L3	INTERHARM_U33_L3	41253	float	V
Voltage 33.inter-harmonic L4	INTERHARM_U33_L4	41255	float	V
Voltage 34.inter-harmonic L1	INTERHARM_U34_L1	41257	float	V
Voltage 34.inter-harmonic L2	INTERHARM_U34_L2	41259	float	V
Voltage 34.inter-harmonic L3	INTERHARM_U34_L3	41261	float	V
Voltage 34.inter-harmonic L4	INTERHARM_U34_L4	41263	float	V
Voltage 35.inter-harmonic L1	INTERHARM_U35_L1	41265	float	V
Voltage 35.inter-harmonic L2	INTERHARM_U35_L2	41267	float	V
Voltage 35.inter-harmonic L3	INTERHARM_U35_L3	41269	float	V
Voltage 35.inter-harmonic L4	INTERHARM_U35_L4	41271	float	V
Voltage 36.inter-harmonic L1	INTERHARM_U36_L1	41273	float	V
Voltage 36.inter-harmonic L2	INTERHARM_U36_L2	41275	float	V

Voltage inter-harmonics				
DESCRIPTION	NAME	ADDRESS	TYPE	UNIT
Voltage 36.inter-harmonic L3	INTERHARM_U36_L3	41277	float	V
Voltage 36.inter-harmonic L4	INTERHARM_U36_L4	41279	float	V
Voltage 37.inter-harmonic L1	INTERHARM_U37_L1	41281	float	V
Voltage 37.inter-harmonic L2	INTERHARM_U37_L2	41283	float	V
Voltage 37.inter-harmonic L3	INTERHARM_U37_L3	41285	float	V
Voltage 37.inter-harmonic L4	INTERHARM_U37_L4	41287	float	V
Voltage 38.inter-harmonic L1	INTERHARM_U38_L1	41289	float	V
Voltage 38.inter-harmonic L2	INTERHARM_U38_L2	41291	float	V
Voltage 38.inter-harmonic L3	INTERHARM_U38_L3	41293	float	V
Voltage 38.inter-harmonic L4	INTERHARM_U38_L4	41295	float	V
Voltage 39.inter-harmonic L1	INTERHARM_U39_L1	41297	float	V
Voltage 39.inter-harmonic L2	INTERHARM_U39_L2	41299	float	V
Voltage 39.inter-harmonic L3	INTERHARM_U39_L3	41301	float	V
Voltage 39.inter-harmonic L4	INTERHARM_U39_L4	41303	float	V
Voltage 40.inter-harmonic L1	INTERHARM_U40_L1	41305	float	V
Voltage 40.inter-harmonic L2	INTERHARM_U40_L2	41307	float	V
Voltage 40.inter-harmonic L3	INTERHARM_U40_L3	41309	float	V
Voltage 40.inter-harmonic L4	INTERHARM_U40_L4	41311	float	V
Voltage 41.inter-harmonic L1	INTERHARM_U41_L1	41313	float	V
Voltage 41.inter-harmonic L2	INTERHARM_U41_L2	41315	float	V
Voltage 41.inter-harmonic L3	INTERHARM_U41_L3	41317	float	V
Voltage 41.inter-harmonic L4	INTERHARM_U41_L4	41319	float	V
Voltage 42.inter-harmonic L1	INTERHARM_U42_L1	41321	float	V
Voltage 42.inter-harmonic L2	INTERHARM_U42_L2	41323	float	V
Voltage 42.inter-harmonic L3	INTERHARM_U42_L3	41325	float	V
Voltage 42.inter-harmonic L4	INTERHARM_U42_L4	41327	float	V
Voltage 43.inter-harmonic L1	INTERHARM_U43_L1	41329	float	V
Voltage 43.inter-harmonic L2	INTERHARM_U43_L2	41331	float	V
Voltage 43.inter-harmonic L3	INTERHARM_U43_L3	41333	float	V
Voltage 43.inter-harmonic L4	INTERHARM_U43_L4	41335	float	V
Voltage 44.inter-harmonic L1	INTERHARM_U44_L1	41337	float	V
Voltage 44.inter-harmonic L2	INTERHARM_U44_L2	41339	float	V
Voltage 44.inter-harmonic L3	INTERHARM_U44_L3	41341	float	V
Voltage 44.inter-harmonic L4	INTERHARM_U44_L4	41343	float	V
Voltage 45.inter-harmonic L1	INTERHARM_U45_L1	41345	float	V
Voltage 45.inter-harmonic L2	INTERHARM_U45_L2	41347	float	V
Voltage 45.inter-harmonic L3	INTERHARM_U45_L3	41349	float	V
Voltage 45.inter-harmonic L4	INTERHARM_U45_L4	41351	float	V
Voltage 46.inter-harmonic L1	INTERHARM_U46_L1	41353	float	V
Voltage 46.inter-harmonic L2	INTERHARM_U46_L2	41355	float	V
Voltage 46.inter-harmonic L3	INTERHARM_U46_L3	41357	float	V
Voltage 46.inter-harmonic L4	INTERHARM_U46_L4	41359	float	V
Voltage 47.inter-harmonic L1	INTERHARM_U47_L1	41361	float	V
Voltage 47.inter-harmonic L2	INTERHARM_U47_L2	41363	float	V
Voltage 47.inter-harmonic L3	INTERHARM_U47_L3	41365	float	V
Voltage 47.inter-harmonic L4	INTERHARM_U47_L4	41367	float	V
Voltage 48.inter-harmonic L1	INTERHARM_U48_L1	41369	float	V
Voltage 48.inter-harmonic L2	INTERHARM_U48_L2	41371	float	V
Voltage 48.inter-harmonic L3	INTERHARM_U48_L3	41373	float	V
Voltage 48.inter-harmonic L4	INTERHARM_U48_L4	41375	float	V
Voltage 49.inter-harmonic L1	INTERHARM_U49_L1	41377	float	V
Voltage 49.inter-harmonic L2	INTERHARM_U49_L2	41379	float	V
Voltage 49.inter-harmonic L3	INTERHARM_U49_L3	41381	float	V
Voltage 49.inter-harmonic L4	INTERHARM_U49_L4	41383	float	V
Voltage 50.inter-harmonic L1	INTERHARM_U50_L1	41385	float	V
Voltage 50.inter-harmonic L2	INTERHARM_U50_L2	41387	float	V
Voltage 50.inter-harmonic L3	INTERHARM_U50_L3	41389	float	V
Voltage 50.inter-harmonic L4	INTERHARM_U50_L4	41391	float	V
Voltage 51.inter-harmonic L1	INTERHARM_U51_L1	41393	float	V
Voltage 51.inter-harmonic L2	INTERHARM_U51_L2	41395	float	V
Voltage 51.inter-harmonic L3	INTERHARM_U51_L3	41397	float	V
Voltage 51.inter-harmonic L4	INTERHARM_U51_L4	41399	float	V
Voltage 52.inter-harmonic L1	INTERHARM_U52_L1	41401	float	V
Voltage 52.inter-harmonic L2	INTERHARM_U52_L2	41403	float	V
Voltage 52.inter-harmonic L3	INTERHARM_U52_L3	41405	float	V
Voltage 52.inter-harmonic L4	INTERHARM_U52_L4	41407	float	V
Voltage 53.inter-harmonic L1	INTERHARM_U53_L1	41409	float	V
Voltage 53.inter-harmonic L2	INTERHARM_U53_L2	41411	float	V
Voltage 53.inter-harmonic L3	INTERHARM_U53_L3	41413	float	V
Voltage 53.inter-harmonic L4	INTERHARM_U53_L4	41415	float	V
Voltage 54.inter-harmonic L1	INTERHARM_U54_L1	41417	float	V

Voltage inter-harmonics				
DESCRIPTION	NAME	ADDRESS	TYPE	UNIT
Voltage 54.inter-harmonic L2	INTERHARM_U54_L2	41419	float	V
Voltage 54.inter-harmonic L3	INTERHARM_U54_L3	41421	float	V
Voltage 54.inter-harmonic L4	INTERHARM_U54_L4	41423	float	V
Voltage 55.inter-harmonic L1	INTERHARM_U55_L1	41425	float	V
Voltage 55.inter-harmonic L2	INTERHARM_U55_L2	41427	float	V
Voltage 55.inter-harmonic L3	INTERHARM_U55_L3	41429	float	V
Voltage 55.inter-harmonic L4	INTERHARM_U55_L4	41431	float	V
Voltage 56.inter-harmonic L1	INTERHARM_U56_L1	41433	float	V
Voltage 56.inter-harmonic L2	INTERHARM_U56_L2	41435	float	V
Voltage 56.inter-harmonic L3	INTERHARM_U56_L3	41437	float	V
Voltage 56.inter-harmonic L4	INTERHARM_U56_L4	41439	float	V
Voltage 57.inter-harmonic L1	INTERHARM_U57_L1	41441	float	V
Voltage 57.inter-harmonic L2	INTERHARM_U57_L2	41443	float	V
Voltage 57.inter-harmonic L3	INTERHARM_U57_L3	41445	float	V
Voltage 57.inter-harmonic L4	INTERHARM_U57_L4	41447	float	V
Voltage 58.inter-harmonic L1	INTERHARM_U58_L1	41449	float	V
Voltage 58.inter-harmonic L2	INTERHARM_U58_L2	41451	float	V
Voltage 58.inter-harmonic L3	INTERHARM_U58_L3	41453	float	V
Voltage 58.inter-harmonic L4	INTERHARM_U58_L4	41455	float	V
Voltage 59.inter-harmonic L1	INTERHARM_U59_L1	41457	float	V
Voltage 59.inter-harmonic L2	INTERHARM_U59_L2	41459	float	V
Voltage 59.inter-harmonic L3	INTERHARM_U59_L3	41461	float	V
Voltage 59.inter-harmonic L4	INTERHARM_U59_L4	41463	float	V
Voltage 60.inter-harmonic L1	INTERHARM_U60_L1	41465	float	V
Voltage 60.inter-harmonic L2	INTERHARM_U60_L2	41467	float	V
Voltage 60.inter-harmonic L3	INTERHARM_U60_L3	41469	float	V
Voltage 60.inter-harmonic L4	INTERHARM_U60_L4	41471	float	V
Voltage 61.inter-harmonic L1	INTERHARM_U61_L1	41473	float	V
Voltage 61.inter-harmonic L2	INTERHARM_U61_L2	41475	float	V
Voltage 61.inter-harmonic L3	INTERHARM_U61_L3	41477	float	V
Voltage 61.inter-harmonic L4	INTERHARM_U61_L4	41479	float	V
Voltage 62.inter-harmonic L1	INTERHARM_U62_L1	41481	float	V
Voltage 62.inter-harmonic L2	INTERHARM_U62_L2	41483	float	V
Voltage 62.inter-harmonic L3	INTERHARM_U62_L3	41485	float	V
Voltage 62.inter-harmonic L4	INTERHARM_U62_L4	41487	float	V
Voltage 63.inter-harmonic L1	INTERHARM_U63_L1	41489	float	V
Voltage 63.inter-harmonic L2	INTERHARM_U63_L2	41491	float	V
Voltage 63.inter-harmonic L3	INTERHARM_U63_L3	41493	float	V
Voltage 63.inter-harmonic L4	INTERHARM_U63_L4	41495	float	V
Voltage 64.inter-harmonic L1	INTERHARM_U64_L1	41497	float	V
Voltage 64.inter-harmonic L2	INTERHARM_U64_L2	41499	float	V
Voltage 64.inter-harmonic L3	INTERHARM_U64_L3	41501	float	V
Voltage 64.inter-harmonic L4	INTERHARM_U64_L4	41503	float	V

Voltage group harmonics				
DESCRIPTION	NAME	ADDRESS	TYPE	UNIT
Voltage 1.group harmonic L1	GROUP_HARM_U1_L1	41505	float	V
Voltage 1.group harmonic L2	GROUP_HARM_U1_L2	41507	float	V
Voltage 1.group harmonic L3	GROUP_HARM_U1_L3	41509	float	V
Voltage 1.group harmonic L4	GROUP_HARM_U1_L4	41511	float	V
Voltage 2.group harmonic L1	GROUP_HARM_U2_L1	41513	float	V
Voltage 2.group harmonic L2	GROUP_HARM_U2_L2	41515	float	V
Voltage 2.group harmonic L3	GROUP_HARM_U2_L3	41517	float	V
Voltage 2.group harmonic L4	GROUP_HARM_U2_L4	41519	float	V
Voltage 3.group harmonic L1	GROUP_HARM_U3_L1	41521	float	V
Voltage 3.group harmonic L2	GROUP_HARM_U3_L2	41523	float	V
Voltage 3.group harmonic L3	GROUP_HARM_U3_L3	41525	float	V
Voltage 3.group harmonic L4	GROUP_HARM_U3_L4	41527	float	V
Voltage 4.group harmonic L1	GROUP_HARM_U4_L1	41529	float	V
Voltage 4.group harmonic L2	GROUP_HARM_U4_L2	41531	float	V
Voltage 4.group harmonic L3	GROUP_HARM_U4_L3	41533	float	V
Voltage 4.group harmonic L4	GROUP_HARM_U4_L4	41535	float	V
Voltage 5.group harmonic L1	GROUP_HARM_U5_L1	41537	float	V
Voltage 5.group harmonic L2	GROUP_HARM_U5_L2	41539	float	V
Voltage 5.group harmonic L3	GROUP_HARM_U5_L3	41541	float	V
Voltage 5.group harmonic L4	GROUP_HARM_U5_L4	41543	float	V
Voltage 6.group harmonic L1	GROUP_HARM_U6_L1	41545	float	V
Voltage 6.group harmonic L2	GROUP_HARM_U6_L2	41547	float	V
Voltage 6.group harmonic L3	GROUP_HARM_U6_L3	41549	float	V
Voltage 6.group harmonic L4	GROUP_HARM_U6_L4	41551	float	V
Voltage 7.group harmonic L1	GROUP_HARM_U7_L1	41553	float	V
Voltage 7.group harmonic L2	GROUP_HARM_U7_L2	41555	float	V
Voltage 7.group harmonic L3	GROUP_HARM_U7_L3	41557	float	V
Voltage 7.group harmonic L4	GROUP_HARM_U7_L4	41559	float	V
Voltage 8.group harmonic L1	GROUP_HARM_U8_L1	41561	float	V
Voltage 8.group harmonic L2	GROUP_HARM_U8_L2	41563	float	V
Voltage 8.group harmonic L3	GROUP_HARM_U8_L3	41565	float	V
Voltage 8.group harmonic L4	GROUP_HARM_U8_L4	41567	float	V
Voltage 9.group harmonic L1	GROUP_HARM_U9_L1	41569	float	V
Voltage 9.group harmonic L2	GROUP_HARM_U9_L2	41571	float	V
Voltage 9.group harmonic L3	GROUP_HARM_U9_L3	41573	float	V
Voltage 9.group harmonic L4	GROUP_HARM_U9_L4	41575	float	V
Voltage 10.group harmonic L1	GROUP_HARM_U10_L1	41577	float	V
Voltage 10.group harmonic L2	GROUP_HARM_U10_L2	41579	float	V
Voltage 10.group harmonic L3	GROUP_HARM_U10_L3	41581	float	V
Voltage 10.group harmonic L4	GROUP_HARM_U10_L4	41583	float	V
Voltage 11.group harmonic L1	GROUP_HARM_U11_L1	41585	float	V
Voltage 11.group harmonic L2	GROUP_HARM_U11_L2	41587	float	V
Voltage 11.group harmonic L3	GROUP_HARM_U11_L3	41589	float	V
Voltage 11.group harmonic L4	GROUP_HARM_U11_L4	41591	float	V
Voltage 12.group harmonic L1	GROUP_HARM_U12_L1	41593	float	V
Voltage 12.group harmonic L2	GROUP_HARM_U12_L2	41595	float	V
Voltage 12.group harmonic L3	GROUP_HARM_U12_L3	41597	float	V
Voltage 12.group harmonic L4	GROUP_HARM_U12_L4	41599	float	V
Voltage 13.group harmonic L1	GROUP_HARM_U13_L1	41601	float	V
Voltage 13.group harmonic L2	GROUP_HARM_U13_L2	41603	float	V
Voltage 13.group harmonic L3	GROUP_HARM_U13_L3	41605	float	V
Voltage 13.group harmonic L4	GROUP_HARM_U13_L4	41607	float	V
Voltage 14.group harmonic L1	GROUP_HARM_U14_L1	41609	float	V
Voltage 14.group harmonic L2	GROUP_HARM_U14_L2	41611	float	V
Voltage 14.group harmonic L3	GROUP_HARM_U14_L3	41613	float	V
Voltage 14.group harmonic L4	GROUP_HARM_U14_L4	41615	float	V
Voltage 15.group harmonic L1	GROUP_HARM_U15_L1	41617	float	V
Voltage 15.group harmonic L2	GROUP_HARM_U15_L2	41619	float	V
Voltage 15.group harmonic L3	GROUP_HARM_U15_L3	41621	float	V
Voltage 15.group harmonic L4	GROUP_HARM_U15_L4	41623	float	V
Voltage 16.group harmonic L1	GROUP_HARM_U16_L1	41625	float	V
Voltage 16.group harmonic L2	GROUP_HARM_U16_L2	41627	float	V
Voltage 16.group harmonic L3	GROUP_HARM_U16_L3	41629	float	V
Voltage 16.group harmonic L4	GROUP_HARM_U16_L4	41631	float	V
Voltage 17.group harmonic L1	GROUP_HARM_U17_L1	41633	float	V
Voltage 17.group harmonic L2	GROUP_HARM_U17_L2	41635	float	V
Voltage 17.group harmonic L3	GROUP_HARM_U17_L3	41637	float	V
Voltage 17.group harmonic L4	GROUP_HARM_U17_L4	41639	float	V
Voltage 18.group harmonic L1	GROUP_HARM_U18_L1	41641	float	V
Voltage 18.group harmonic L2	GROUP_HARM_U18_L2	41643	float	V
Voltage 18.group harmonic L3	GROUP_HARM_U18_L3	41645	float	V

Voltage group harmonics				
DESCRIPTION	NAME	ADDRESS	TYPE	UNIT
Voltage 18.group harmonic L4	GROUP_HARM_U18_L4	41647	float	V
Voltage 19.group harmonic L1	GROUP_HARM_U19_L1	41649	float	V
Voltage 19.group harmonic L2	GROUP_HARM_U19_L2	41651	float	V
Voltage 19.group harmonic L3	GROUP_HARM_U19_L3	41653	float	V
Voltage 19.group harmonic L4	GROUP_HARM_U19_L4	41655	float	V
Voltage 20.group harmonic L1	GROUP_HARM_U20_L1	41657	float	V
Voltage 20.group harmonic L2	GROUP_HARM_U20_L2	41659	float	V
Voltage 20.group harmonic L3	GROUP_HARM_U20_L3	41661	float	V
Voltage 20.group harmonic L4	GROUP_HARM_U20_L4	41663	float	V
Voltage 21.group harmonic L1	GROUP_HARM_U21_L1	41665	float	V
Voltage 21.group harmonic L2	GROUP_HARM_U21_L2	41667	float	V
Voltage 21.group harmonic L3	GROUP_HARM_U21_L3	41669	float	V
Voltage 21.group harmonic L4	GROUP_HARM_U21_L4	41671	float	V
Voltage 22.group harmonic L1	GROUP_HARM_U22_L1	41673	float	V
Voltage 22.group harmonic L2	GROUP_HARM_U22_L2	41675	float	V
Voltage 22.group harmonic L3	GROUP_HARM_U22_L3	41677	float	V
Voltage 22.group harmonic L4	GROUP_HARM_U22_L4	41679	float	V
Voltage 23.group harmonic L1	GROUP_HARM_U23_L1	41681	float	V
Voltage 23.group harmonic L2	GROUP_HARM_U23_L2	41683	float	V
Voltage 23.group harmonic L3	GROUP_HARM_U23_L3	41685	float	V
Voltage 23.group harmonic L4	GROUP_HARM_U23_L4	41687	float	V
Voltage 24.group harmonic L1	GROUP_HARM_U24_L1	41689	float	V
Voltage 24.group harmonic L2	GROUP_HARM_U24_L2	41691	float	V
Voltage 24.group harmonic L3	GROUP_HARM_U24_L3	41693	float	V
Voltage 24.group harmonic L4	GROUP_HARM_U24_L4	41695	float	V
Voltage 25.group harmonic L1	GROUP_HARM_U25_L1	41697	float	V
Voltage 25.group harmonic L2	GROUP_HARM_U25_L2	41699	float	V
Voltage 25.group harmonic L3	GROUP_HARM_U25_L3	41701	float	V
Voltage 25.group harmonic L4	GROUP_HARM_U25_L4	41703	float	V
Voltage 26.group harmonic L1	GROUP_HARM_U26_L1	41705	float	V
Voltage 26.group harmonic L2	GROUP_HARM_U26_L2	41707	float	V
Voltage 26.group harmonic L3	GROUP_HARM_U26_L3	41709	float	V
Voltage 26.group harmonic L4	GROUP_HARM_U26_L4	41711	float	V
Voltage 27.group harmonic L1	GROUP_HARM_U27_L1	41713	float	V
Voltage 27.group harmonic L2	GROUP_HARM_U27_L2	41715	float	V
Voltage 27.group harmonic L3	GROUP_HARM_U27_L3	41717	float	V
Voltage 27.group harmonic L4	GROUP_HARM_U27_L4	41719	float	V
Voltage 28.group harmonic L1	GROUP_HARM_U28_L1	41721	float	V
Voltage 28.group harmonic L2	GROUP_HARM_U28_L2	41723	float	V
Voltage 28.group harmonic L3	GROUP_HARM_U28_L3	41725	float	V
Voltage 28.group harmonic L4	GROUP_HARM_U28_L4	41727	float	V
Voltage 29.group harmonic L1	GROUP_HARM_U29_L1	41729	float	V
Voltage 29.group harmonic L2	GROUP_HARM_U29_L2	41731	float	V
Voltage 29.group harmonic L3	GROUP_HARM_U29_L3	41733	float	V
Voltage 29.group harmonic L4	GROUP_HARM_U29_L4	41735	float	V
Voltage 30.group harmonic L1	GROUP_HARM_U30_L1	41737	float	V
Voltage 30.group harmonic L2	GROUP_HARM_U30_L2	41739	float	V
Voltage 30.group harmonic L3	GROUP_HARM_U30_L3	41741	float	V
Voltage 30.group harmonic L4	GROUP_HARM_U30_L4	41743	float	V
Voltage 31.group harmonic L1	GROUP_HARM_U31_L1	41745	float	V
Voltage 31.group harmonic L2	GROUP_HARM_U31_L2	41747	float	V
Voltage 31.group harmonic L3	GROUP_HARM_U31_L3	41749	float	V
Voltage 31.group harmonic L4	GROUP_HARM_U31_L4	41751	float	V
Voltage 32.group harmonic L1	GROUP_HARM_U32_L1	41753	float	V
Voltage 32.group harmonic L2	GROUP_HARM_U32_L2	41755	float	V
Voltage 32.group harmonic L3	GROUP_HARM_U32_L3	41757	float	V
Voltage 32.group harmonic L4	GROUP_HARM_U32_L4	41759	float	V
Voltage 33.group harmonic L1	GROUP_HARM_U33_L1	41761	float	V
Voltage 33.group harmonic L2	GROUP_HARM_U33_L2	41763	float	V
Voltage 33.group harmonic L3	GROUP_HARM_U33_L3	41765	float	V
Voltage 33.group harmonic L4	GROUP_HARM_U33_L4	41767	float	V
Voltage 34.group harmonic L1	GROUP_HARM_U34_L1	41769	float	V
Voltage 34.group harmonic L2	GROUP_HARM_U34_L2	41771	float	V
Voltage 34.group harmonic L3	GROUP_HARM_U34_L3	41773	float	V
Voltage 34.group harmonic L4	GROUP_HARM_U34_L4	41775	float	V
Voltage 35.group harmonic L1	GROUP_HARM_U35_L1	41777	float	V
Voltage 35.group harmonic L2	GROUP_HARM_U35_L2	41779	float	V
Voltage 35.group harmonic L3	GROUP_HARM_U35_L3	41781	float	V
Voltage 35.group harmonic L4	GROUP_HARM_U35_L4	41783	float	V
Voltage 36.group harmonic L1	GROUP_HARM_U36_L1	41785	float	V
Voltage 36.group harmonic L2	GROUP_HARM_U36_L2	41787	float	V

Voltage group harmonics				
DESCRIPTION	NAME	ADDRESS	TYPE	UNIT
Voltage 36.group harmonic L3	GROUP_HARM_U36_L3	41789	float	V
Voltage 36.group harmonic L4	GROUP_HARM_U36_L4	41791	float	V
Voltage 37.group harmonic L1	GROUP_HARM_U37_L1	41793	float	V
Voltage 37.group harmonic L2	GROUP_HARM_U37_L2	41795	float	V
Voltage 37.group harmonic L3	GROUP_HARM_U37_L3	41797	float	V
Voltage 37.group harmonic L4	GROUP_HARM_U37_L4	41799	float	V
Voltage 38.group harmonic L1	GROUP_HARM_U38_L1	41801	float	V
Voltage 38.group harmonic L2	GROUP_HARM_U38_L2	41803	float	V
Voltage 38.group harmonic L3	GROUP_HARM_U38_L3	41805	float	V
Voltage 38.group harmonic L4	GROUP_HARM_U38_L4	41807	float	V
Voltage 39.group harmonic L1	GROUP_HARM_U39_L1	41809	float	V
Voltage 39.group harmonic L2	GROUP_HARM_U39_L2	41811	float	V
Voltage 39.group harmonic L3	GROUP_HARM_U39_L3	41813	float	V
Voltage 39.group harmonic L4	GROUP_HARM_U39_L4	41815	float	V
Voltage 40.group harmonic L1	GROUP_HARM_U40_L1	41817	float	V
Voltage 40.group harmonic L2	GROUP_HARM_U40_L2	41819	float	V
Voltage 40.group harmonic L3	GROUP_HARM_U40_L3	41821	float	V
Voltage 40.group harmonic L4	GROUP_HARM_U40_L4	41823	float	V
Voltage 41.group harmonic L1	GROUP_HARM_U41_L1	41825	float	V
Voltage 41.group harmonic L2	GROUP_HARM_U41_L2	41827	float	V
Voltage 41.group harmonic L3	GROUP_HARM_U41_L3	41829	float	V
Voltage 41.group harmonic L4	GROUP_HARM_U41_L4	41831	float	V
Voltage 42.group harmonic L1	GROUP_HARM_U42_L1	41833	float	V
Voltage 42.group harmonic L2	GROUP_HARM_U42_L2	41835	float	V
Voltage 42.group harmonic L3	GROUP_HARM_U42_L3	41837	float	V
Voltage 42.group harmonic L4	GROUP_HARM_U42_L4	41839	float	V
Voltage 43.group harmonic L1	GROUP_HARM_U43_L1	41841	float	V
Voltage 43.group harmonic L2	GROUP_HARM_U43_L2	41843	float	V
Voltage 43.group harmonic L3	GROUP_HARM_U43_L3	41845	float	V
Voltage 43.group harmonic L4	GROUP_HARM_U43_L4	41847	float	V
Voltage 44.group harmonic L1	GROUP_HARM_U44_L1	41849	float	V
Voltage 44.group harmonic L2	GROUP_HARM_U44_L2	41851	float	V
Voltage 44.group harmonic L3	GROUP_HARM_U44_L3	41853	float	V
Voltage 44.group harmonic L4	GROUP_HARM_U44_L4	41855	float	V
Voltage 45.group harmonic L1	GROUP_HARM_U45_L1	41857	float	V
Voltage 45.group harmonic L2	GROUP_HARM_U45_L2	41859	float	V
Voltage 45.group harmonic L3	GROUP_HARM_U45_L3	41861	float	V
Voltage 45.group harmonic L4	GROUP_HARM_U45_L4	41863	float	V
Voltage 46.group harmonic L1	GROUP_HARM_U46_L1	41865	float	V
Voltage 46.group harmonic L2	GROUP_HARM_U46_L2	41867	float	V
Voltage 46.group harmonic L3	GROUP_HARM_U46_L3	41869	float	V
Voltage 46.group harmonic L4	GROUP_HARM_U46_L4	41871	float	V
Voltage 47.group harmonic L1	GROUP_HARM_U47_L1	41873	float	V
Voltage 47.group harmonic L2	GROUP_HARM_U47_L2	41875	float	V
Voltage 47.group harmonic L3	GROUP_HARM_U47_L3	41877	float	V
Voltage 47.group harmonic L4	GROUP_HARM_U47_L4	41879	float	V
Voltage 48.group harmonic L1	GROUP_HARM_U48_L1	41881	float	V
Voltage 48.group harmonic L2	GROUP_HARM_U48_L2	41883	float	V
Voltage 48.group harmonic L3	GROUP_HARM_U48_L3	41885	float	V
Voltage 48.group harmonic L4	GROUP_HARM_U48_L4	41887	float	V
Voltage 49.group harmonic L1	GROUP_HARM_U49_L1	41889	float	V
Voltage 49.group harmonic L2	GROUP_HARM_U49_L2	41891	float	V
Voltage 49.group harmonic L3	GROUP_HARM_U49_L3	41893	float	V
Voltage 49.group harmonic L4	GROUP_HARM_U49_L4	41895	float	V
Voltage 50.group harmonic L1	GROUP_HARM_U50_L1	41897	float	V
Voltage 50.group harmonic L2	GROUP_HARM_U50_L2	41899	float	V
Voltage 50.group harmonic L3	GROUP_HARM_U50_L3	41901	float	V
Voltage 50.group harmonic L4	GROUP_HARM_U50_L4	41903	float	V
Voltage 51.group harmonic L1	GROUP_HARM_U51_L1	41905	float	V
Voltage 51.group harmonic L2	GROUP_HARM_U51_L2	41907	float	V
Voltage 51.group harmonic L3	GROUP_HARM_U51_L3	41909	float	V
Voltage 51.group harmonic L4	GROUP_HARM_U51_L4	41911	float	V
Voltage 52.group harmonic L1	GROUP_HARM_U52_L1	41913	float	V
Voltage 52.group harmonic L2	GROUP_HARM_U52_L2	41915	float	V
Voltage 52.group harmonic L3	GROUP_HARM_U52_L3	41917	float	V
Voltage 52.group harmonic L4	GROUP_HARM_U52_L4	41919	float	V
Voltage 53.group harmonic L1	GROUP_HARM_U53_L1	41921	float	V
Voltage 53.group harmonic L2	GROUP_HARM_U53_L2	41923	float	V
Voltage 53.group harmonic L3	GROUP_HARM_U53_L3	41925	float	V
Voltage 53.group harmonic L4	GROUP_HARM_U53_L4	41927	float	V
Voltage 54.group harmonic L1	GROUP_HARM_U54_L1	41929	float	V

Voltage group harmonics				
DESCRIPTION	NAME	ADDRESS	TYPE	UNIT
Voltage 54.group harmonic L2	GROUP_HARM_U54_L2	41931	float	V
Voltage 54.group harmonic L3	GROUP_HARM_U54_L3	41933	float	V
Voltage 54.group harmonic L4	GROUP_HARM_U54_L4	41935	float	V
Voltage 55.group harmonic L1	GROUP_HARM_U55_L1	41937	float	V
Voltage 55.group harmonic L2	GROUP_HARM_U55_L2	41939	float	V
Voltage 55.group harmonic L3	GROUP_HARM_U55_L3	41941	float	V
Voltage 55.group harmonic L4	GROUP_HARM_U55_L4	41943	float	V
Voltage 56.group harmonic L1	GROUP_HARM_U56_L1	41945	float	V
Voltage 56.group harmonic L2	GROUP_HARM_U56_L2	41947	float	V
Voltage 56.group harmonic L3	GROUP_HARM_U56_L3	41949	float	V
Voltage 56.group harmonic L4	GROUP_HARM_U56_L4	41951	float	V
Voltage 57.group harmonic L1	GROUP_HARM_U57_L1	41953	float	V
Voltage 57.group harmonic L2	GROUP_HARM_U57_L2	41955	float	V
Voltage 57.group harmonic L3	GROUP_HARM_U57_L3	41957	float	V
Voltage 57.group harmonic L4	GROUP_HARM_U57_L4	41959	float	V
Voltage 58.group harmonic L1	GROUP_HARM_U58_L1	41961	float	V
Voltage 58.group harmonic L2	GROUP_HARM_U58_L2	41963	float	V
Voltage 58.group harmonic L3	GROUP_HARM_U58_L3	41965	float	V
Voltage 58.group harmonic L4	GROUP_HARM_U58_L4	41967	float	V
Voltage 59.group harmonic L1	GROUP_HARM_U59_L1	41969	float	V
Voltage 59.group harmonic L2	GROUP_HARM_U59_L2	41971	float	V
Voltage 59.group harmonic L3	GROUP_HARM_U59_L3	41973	float	V
Voltage 59.group harmonic L4	GROUP_HARM_U59_L4	41975	float	V
Voltage 60.group harmonic L1	GROUP_HARM_U60_L1	41977	float	V
Voltage 60.group harmonic L2	GROUP_HARM_U60_L2	41979	float	V
Voltage 60.group harmonic L3	GROUP_HARM_U60_L3	41981	float	V
Voltage 60.group harmonic L4	GROUP_HARM_U60_L4	41983	float	V
Voltage 61.group harmonic L1	GROUP_HARM_U61_L1	41985	float	V
Voltage 61.group harmonic L2	GROUP_HARM_U61_L2	41987	float	V
Voltage 61.group harmonic L3	GROUP_HARM_U61_L3	41989	float	V
Voltage 61.group harmonic L4	GROUP_HARM_U61_L4	41991	float	V
Voltage 62.group harmonic L1	GROUP_HARM_U62_L1	41993	float	V
Voltage 62.group harmonic L2	GROUP_HARM_U62_L2	41995	float	V
Voltage 62.group harmonic L3	GROUP_HARM_U62_L3	41997	float	V
Voltage 62.group harmonic L4	GROUP_HARM_U62_L4	41999	float	V
Voltage 63.group harmonic L1	GROUP_HARM_U63_L1	42001	float	V
Voltage 63.group harmonic L2	GROUP_HARM_U63_L2	42003	float	V
Voltage 63.group harmonic L3	GROUP_HARM_U63_L3	42005	float	V
Voltage 63.group harmonic L4	GROUP_HARM_U63_L4	42007	float	V
Voltage 64.group harmonic L1	GROUP_HARM_U64_L1	42009	float	V
Voltage 64.group harmonic L2	GROUP_HARM_U64_L2	42011	float	V
Voltage 64.group harmonic L3	GROUP_HARM_U64_L3	42013	float	V
Voltage 64.group harmonic L4	GROUP_HARM_U64_L4	42015	float	V

Current harmonics					
DESCRIPTION	NAME	ADDRESS	TYPE	UNIT	
Current 1.harmonic L1	HARM_I1_L1	42017	float	A	
Current 1.harmonic L2	HARM_I1_L2	42019	float	A	
Current 1.harmonic L3	HARM_I1_L3	42021	float	A	
Current 1.harmonic L4	HARM_I1_L4	42023	float	A	
Current 2.harmonic L1	HARM_I2_L1	42025	float	A	
Current 2.harmonic L2	HARM_I2_L2	42027	float	A	
Current 2.harmonic L3	HARM_I2_L3	42029	float	A	
Current 2.harmonic L4	HARM_I2_L4	42031	float	A	
Current 3.harmonic L1	HARM_I3_L1	42033	float	A	
Current 3.harmonic L2	HARM_I3_L2	42035	float	A	
Current 3.harmonic L3	HARM_I3_L3	42037	float	A	
Current 3.harmonic L4	HARM_I3_L4	42039	float	A	
Current 4.harmonic L1	HARM_I4_L1	42041	float	A	
Current 4.harmonic L2	HARM_I4_L2	42043	float	A	
Current 4.harmonic L3	HARM_I4_L3	42045	float	A	
Current 4.harmonic L4	HARM_I4_L4	42047	float	A	
Current 5.harmonic L1	HARM_I5_L1	42049	float	A	
Current 5.harmonic L2	HARM_I5_L2	42051	float	A	
Current 5.harmonic L3	HARM_I5_L3	42053	float	A	
Current 5.harmonic L4	HARM_I5_L4	42055	float	A	
Current 6.harmonic L1	HARM_I6_L1	42057	float	A	
Current 6.harmonic L2	HARM_I6_L2	42059	float	A	
Current 6.harmonic L3	HARM_I6_L3	42061	float	A	
Current 6.harmonic L4	HARM_I6_L4	42063	float	A	
Current 7.harmonic L1	HARM_I7_L1	42065	float	A	
Current 7.harmonic L2	HARM_I7_L2	42067	float	A	
Current 7.harmonic L3	HARM_I7_L3	42069	float	A	
Current 7.harmonic L4	HARM_I7_L4	42071	float	A	
Current 8.harmonic L1	HARM_I8_L1	42073	float	A	
Current 8.harmonic L2	HARM_I8_L2	42075	float	A	
Current 8.harmonic L3	HARM_I8_L3	42077	float	A	
Current 8.harmonic L4	HARM_I8_L4	42079	float	A	
Current 9.harmonic L1	HARM_I9_L1	42081	float	A	
Current 9.harmonic L2	HARM_I9_L2	42083	float	A	
Current 9.harmonic L3	HARM_I9_L3	42085	float	A	
Current 9.harmonic L4	HARM_I9_L4	42087	float	A	
Current 10.harmonic L1	HARM_I10_L1	42089	float	A	
Current 10.harmonic L2	HARM_I10_L2	42091	float	A	
Current 10.harmonic L3	HARM_I10_L3	42093	float	A	
Current 10.harmonic L4	HARM_I10_L4	42095	float	A	
Current 11.harmonic L1	HARM_I11_L1	42097	float	A	
Current 11.harmonic L2	HARM_I11_L2	42099	float	A	
Current 11.harmonic L3	HARM_I11_L3	42101	float	A	
Current 11.harmonic L4	HARM_I11_L4	42103	float	A	
Current 12.harmonic L1	HARM_I12_L1	42105	float	A	
Current 12.harmonic L2	HARM_I12_L2	42107	float	A	
Current 12.harmonic L3	HARM_I12_L3	42109	float	A	
Current 12.harmonic L4	HARM_I12_L4	42111	float	A	
Current 13.harmonic L1	HARM_I13_L1	42113	float	A	
Current 13.harmonic L2	HARM_I13_L2	42115	float	A	
Current 13.harmonic L3	HARM_I13_L3	42117	float	A	
Current 13.harmonic L4	HARM_I13_L4	42119	float	A	
Current 14.harmonic L1	HARM_I14_L1	42121	float	A	
Current 14.harmonic L2	HARM_I14_L2	42123	float	A	
Current 14.harmonic L3	HARM_I14_L3	42125	float	A	
Current 14.harmonic L4	HARM_I14_L4	42127	float	A	
Current 15.harmonic L1	HARM_I15_L1	42129	float	A	
Current 15.harmonic L2	HARM_I15_L2	42131	float	A	
Current 15.harmonic L3	HARM_I15_L3	42133	float	A	
Current 15.harmonic L4	HARM_I15_L4	42135	float	A	
Current 16.harmonic L1	HARM_I16_L1	42137	float	A	
Current 16.harmonic L2	HARM_I16_L2	42139	float	A	
Current 16.harmonic L3	HARM_I16_L3	42141	float	A	
Current 16.harmonic L4	HARM_I16_L4	42143	float	A	
Current 17.harmonic L1	HARM_I17_L1	42145	float	A	
Current 17.harmonic L2	HARM_I17_L2	42147	float	A	
Current 17.harmonic L3	HARM_I17_L3	42149	float	A	
Current 17.harmonic L4	HARM_I17_L4	42151	float	A	
Current 18.harmonic L1	HARM_I18_L1	42153	float	A	
Current 18.harmonic L2	HARM_I18_L2	42155	float	A	
Current 18.harmonic L3	HARM_I18_L3	42157	float	A	

Current harmonics				
DESCRIPTION	NAME	ADDRESS	TYPE	UNIT
Current 18.harmonic L4	HARM_I18_L4	42159	float	A
Current 19.harmonic L1	HARM_I19_L1	42161	float	A
Current 19.harmonic L2	HARM_I19_L2	42163	float	A
Current 19.harmonic L3	HARM_I19_L3	42165	float	A
Current 19.harmonic L4	HARM_I19_L4	42167	float	A
Current 20.harmonic L1	HARM_I20_L1	42169	float	A
Current 20.harmonic L2	HARM_I20_L2	42171	float	A
Current 20.harmonic L3	HARM_I20_L3	42173	float	A
Current 20.harmonic L4	HARM_I20_L4	42175	float	A
Current 21.harmonic L1	HARM_I21_L1	42177	float	A
Current 21.harmonic L2	HARM_I21_L2	42179	float	A
Current 21.harmonic L3	HARM_I21_L3	42181	float	A
Current 21.harmonic L4	HARM_I21_L4	42183	float	A
Current 22.harmonic L1	HARM_I22_L1	42185	float	A
Current 22.harmonic L2	HARM_I22_L2	42187	float	A
Current 22.harmonic L3	HARM_I22_L3	42189	float	A
Current 22.harmonic L4	HARM_I22_L4	42191	float	A
Current 23.harmonic L1	HARM_I23_L1	42193	float	A
Current 23.harmonic L2	HARM_I23_L2	42195	float	A
Current 23.harmonic L3	HARM_I23_L3	42197	float	A
Current 23.harmonic L4	HARM_I23_L4	42199	float	A
Current 24.harmonic L1	HARM_I24_L1	42201	float	A
Current 24.harmonic L2	HARM_I24_L2	42203	float	A
Current 24.harmonic L3	HARM_I24_L3	42205	float	A
Current 24.harmonic L4	HARM_I24_L4	42207	float	A
Current 25.harmonic L1	HARM_I25_L1	42209	float	A
Current 25.harmonic L2	HARM_I25_L2	42211	float	A
Current 25.harmonic L3	HARM_I25_L3	42213	float	A
Current 25.harmonic L4	HARM_I25_L4	42215	float	A
Current 26.harmonic L1	HARM_I26_L1	42217	float	A
Current 26.harmonic L2	HARM_I26_L2	42219	float	A
Current 26.harmonic L3	HARM_I26_L3	42221	float	A
Current 26.harmonic L4	HARM_I26_L4	42223	float	A
Current 27.harmonic L1	HARM_I27_L1	42225	float	A
Current 27.harmonic L2	HARM_I27_L2	42227	float	A
Current 27.harmonic L3	HARM_I27_L3	42229	float	A
Current 27.harmonic L4	HARM_I27_L4	42231	float	A
Current 28.harmonic L1	HARM_I28_L1	42233	float	A
Current 28.harmonic L2	HARM_I28_L2	42235	float	A
Current 28.harmonic L3	HARM_I28_L3	42237	float	A
Current 28.harmonic L4	HARM_I28_L4	42239	float	A
Current 29.harmonic L1	HARM_I29_L1	42241	float	A
Current 29.harmonic L2	HARM_I29_L2	42243	float	A
Current 29.harmonic L3	HARM_I29_L3	42245	float	A
Current 29.harmonic L4	HARM_I29_L4	42247	float	A
Current 30.harmonic L1	HARM_I30_L1	42249	float	A
Current 30.harmonic L2	HARM_I30_L2	42251	float	A
Current 30.harmonic L3	HARM_I30_L3	42253	float	A
Current 30.harmonic L4	HARM_I30_L4	42255	float	A
Current 31.harmonic L1	HARM_I31_L1	42257	float	A
Current 31.harmonic L2	HARM_I31_L2	42259	float	A
Current 31.harmonic L3	HARM_I31_L3	42261	float	A
Current 31.harmonic L4	HARM_I31_L4	42263	float	A
Current 32.harmonic L1	HARM_I32_L1	42265	float	A
Current 32.harmonic L2	HARM_I32_L2	42267	float	A
Current 32.harmonic L3	HARM_I32_L3	42269	float	A
Current 32.harmonic L4	HARM_I32_L4	42271	float	A
Current 33.harmonic L1	HARM_I33_L1	42273	float	A
Current 33.harmonic L2	HARM_I33_L2	42275	float	A
Current 33.harmonic L3	HARM_I33_L3	42277	float	A
Current 33.harmonic L4	HARM_I33_L4	42279	float	A
Current 34.harmonic L1	HARM_I34_L1	42281	float	A
Current 34.harmonic L2	HARM_I34_L2	42283	float	A
Current 34.harmonic L3	HARM_I34_L3	42285	float	A
Current 34.harmonic L4	HARM_I34_L4	42287	float	A
Current 35.harmonic L1	HARM_I35_L1	42289	float	A
Current 35.harmonic L2	HARM_I35_L2	42291	float	A
Current 35.harmonic L3	HARM_I35_L3	42293	float	A
Current 35.harmonic L4	HARM_I35_L4	42295	float	A
Current 36.harmonic L1	HARM_I36_L1	42297	float	A
Current 36.harmonic L2	HARM_I36_L2	42299	float	A

Current harmonics				
DESCRIPTION	NAME	ADDRESS	TYPE	UNIT
Current 36.harmonic L3	HARM_I36_L3	42301	float	A
Current 36.harmonic L4	HARM_I36_L4	42303	float	A
Current 37.harmonic L1	HARM_I37_L1	42305	float	A
Current 37.harmonic L2	HARM_I37_L2	42307	float	A
Current 37.harmonic L3	HARM_I37_L3	42309	float	A
Current 37.harmonic L4	HARM_I37_L4	42311	float	A
Current 38.harmonic L1	HARM_I38_L1	42313	float	A
Current 38.harmonic L2	HARM_I38_L2	42315	float	A
Current 38.harmonic L3	HARM_I38_L3	42317	float	A
Current 38.harmonic L4	HARM_I38_L4	42319	float	A
Current 39.harmonic L1	HARM_I39_L1	42321	float	A
Current 39.harmonic L2	HARM_I39_L2	42323	float	A
Current 39.harmonic L3	HARM_I39_L3	42325	float	A
Current 39.harmonic L4	HARM_I39_L4	42327	float	A
Current 40.harmonic L1	HARM_I40_L1	42329	float	A
Current 40.harmonic L2	HARM_I40_L2	42331	float	A
Current 40.harmonic L3	HARM_I40_L3	42333	float	A
Current 40.harmonic L4	HARM_I40_L4	42335	float	A
Current 41.harmonic L1	HARM_I41_L1	42337	float	A
Current 41.harmonic L2	HARM_I41_L2	42339	float	A
Current 41.harmonic L3	HARM_I41_L3	42341	float	A
Current 41.harmonic L4	HARM_I41_L4	42343	float	A
Current 42.harmonic L1	HARM_I42_L1	42345	float	A
Current 42.harmonic L2	HARM_I42_L2	42347	float	A
Current 42.harmonic L3	HARM_I42_L3	42349	float	A
Current 42.harmonic L4	HARM_I42_L4	42351	float	A
Current 43.harmonic L1	HARM_I43_L1	42353	float	A
Current 43.harmonic L2	HARM_I43_L2	42355	float	A
Current 43.harmonic L3	HARM_I43_L3	42357	float	A
Current 43.harmonic L4	HARM_I43_L4	42359	float	A
Current 44.harmonic L1	HARM_I44_L1	42361	float	A
Current 44.harmonic L2	HARM_I44_L2	42363	float	A
Current 44.harmonic L3	HARM_I44_L3	42365	float	A
Current 44.harmonic L4	HARM_I44_L4	42367	float	A
Current 45.harmonic L1	HARM_I45_L1	42369	float	A
Current 45.harmonic L2	HARM_I45_L2	42371	float	A
Current 45.harmonic L3	HARM_I45_L3	42373	float	A
Current 45.harmonic L4	HARM_I45_L4	42375	float	A
Current 46.harmonic L1	HARM_I46_L1	42377	float	A
Current 46.harmonic L2	HARM_I46_L2	42379	float	A
Current 46.harmonic L3	HARM_I46_L3	42381	float	A
Current 46.harmonic L4	HARM_I46_L4	42383	float	A
Current 47.harmonic L1	HARM_I47_L1	42385	float	A
Current 47.harmonic L2	HARM_I47_L2	42387	float	A
Current 47.harmonic L3	HARM_I47_L3	42389	float	A
Current 47.harmonic L4	HARM_I47_L4	42391	float	A
Current 48.harmonic L1	HARM_I48_L1	42393	float	A
Current 48.harmonic L2	HARM_I48_L2	42395	float	A
Current 48.harmonic L3	HARM_I48_L3	42397	float	A
Current 48.harmonic L4	HARM_I48_L4	42399	float	A
Current 49.harmonic L1	HARM_I49_L1	42401	float	A
Current 49.harmonic L2	HARM_I49_L2	42403	float	A
Current 49.harmonic L3	HARM_I49_L3	42405	float	A
Current 49.harmonic L4	HARM_I49_L4	42407	float	A
Current 50.harmonic L1	HARM_I50_L1	42409	float	A
Current 50.harmonic L2	HARM_I50_L2	42411	float	A
Current 50.harmonic L3	HARM_I50_L3	42413	float	A
Current 50.harmonic L4	HARM_I50_L4	42415	float	A
Current 51.harmonic L1	HARM_I51_L1	42417	float	A
Current 51.harmonic L2	HARM_I51_L2	42419	float	A
Current 51.harmonic L3	HARM_I51_L3	42421	float	A
Current 51.harmonic L4	HARM_I51_L4	42423	float	A
Current 52.harmonic L1	HARM_I52_L1	42425	float	A
Current 52.harmonic L2	HARM_I52_L2	42427	float	A
Current 52.harmonic L3	HARM_I52_L3	42429	float	A
Current 52.harmonic L4	HARM_I52_L4	42431	float	A
Current 53.harmonic L1	HARM_I53_L1	42433	float	A
Current 53.harmonic L2	HARM_I53_L2	42435	float	A
Current 53.harmonic L3	HARM_I53_L3	42437	float	A
Current 53.harmonic L4	HARM_I53_L4	42439	float	A
Current 54.harmonic L1	HARM_I54_L1	42441	float	A

Current harmonics					
DESCRIPTION	NAME	ADDRESS	TYPE	UNIT	
Current 54.harmonic L2	HARM_I54_L2	42443	float	A	
Current 54.harmonic L3	HARM_I54_L3	42445	float	A	
Current 54.harmonic L4	HARM_I54_L4	42447	float	A	
Current 55.harmonic L1	HARM_I55_L1	42449	float	A	
Current 55.harmonic L2	HARM_I55_L2	42451	float	A	
Current 55.harmonic L3	HARM_I55_L3	42453	float	A	
Current 55.harmonic L4	HARM_I55_L4	42455	float	A	
Current 56.harmonic L1	HARM_I56_L1	42457	float	A	
Current 56.harmonic L2	HARM_I56_L2	42459	float	A	
Current 56.harmonic L3	HARM_I56_L3	42461	float	A	
Current 56.harmonic L4	HARM_I56_L4	42463	float	A	
Current 57.harmonic L1	HARM_I57_L1	42465	float	A	
Current 57.harmonic L2	HARM_I57_L2	42467	float	A	
Current 57.harmonic L3	HARM_I57_L3	42469	float	A	
Current 57.harmonic L4	HARM_I57_L4	42471	float	A	
Current 58.harmonic L1	HARM_I58_L1	42473	float	A	
Current 58.harmonic L2	HARM_I58_L2	42475	float	A	
Current 58.harmonic L3	HARM_I58_L3	42477	float	A	
Current 58.harmonic L4	HARM_I58_L4	42479	float	A	
Current 59.harmonic L1	HARM_I59_L1	42481	float	A	
Current 59.harmonic L2	HARM_I59_L2	42483	float	A	
Current 59.harmonic L3	HARM_I59_L3	42485	float	A	
Current 59.harmonic L4	HARM_I59_L4	42487	float	A	
Current 60.harmonic L1	HARM_I60_L1	42489	float	A	
Current 60.harmonic L2	HARM_I60_L2	42491	float	A	
Current 60.harmonic L3	HARM_I60_L3	42493	float	A	
Current 60.harmonic L4	HARM_I60_L4	42495	float	A	
Current 61.harmonic L1	HARM_I61_L1	42497	float	A	
Current 61.harmonic L2	HARM_I61_L2	42499	float	A	
Current 61.harmonic L3	HARM_I61_L3	42501	float	A	
Current 61.harmonic L4	HARM_I61_L4	42503	float	A	
Current 62.harmonic L1	HARM_I62_L1	42505	float	A	
Current 62.harmonic L2	HARM_I62_L2	42507	float	A	
Current 62.harmonic L3	HARM_I62_L3	42509	float	A	
Current 62.harmonic L4	HARM_I62_L4	42511	float	A	
Current 63.harmonic L1	HARM_I63_L1	42513	float	A	
Current 63.harmonic L2	HARM_I63_L2	42515	float	A	
Current 63.harmonic L3	HARM_I63_L3	42517	float	A	
Current 63.harmonic L4	HARM_I63_L4	42519	float	A	
Current 64.harmonic L1	HARM_I64_L1	42521	float	A	
Current 64.harmonic L2	HARM_I64_L2	42523	float	A	
Current 64.harmonic L3	HARM_I64_L3	42525	float	A	
Current 64.harmonic L4	HARM_I64_L4	42527	float	A	

Current inter-harmonics				
DESCRIPTION	NAME	ADDRESS	TYPE	UNIT
Current 1.inter-harmonic L1	INTERHARM_I1_L1	42529	float	A
Current 1.inter-harmonic L2	INTERHARM_I1_L2	42531	float	A
Current 1.inter-harmonic L3	INTERHARM_I1_L3	42533	float	A
Current 1.inter-harmonic L4	INTERHARM_I1_L4	42535	float	A
Current 2.inter-harmonic L1	INTERHARM_I2_L1	42537	float	A
Current 2.inter-harmonic L2	INTERHARM_I2_L2	42539	float	A
Current 2.inter-harmonic L3	INTERHARM_I2_L3	42541	float	A
Current 2.inter-harmonic L4	INTERHARM_I2_L4	42543	float	A
Current 3.inter-harmonic L1	INTERHARM_I3_L1	42545	float	A
Current 3.inter-harmonic L2	INTERHARM_I3_L2	42547	float	A
Current 3.inter-harmonic L3	INTERHARM_I3_L3	42549	float	A
Current 3.inter-harmonic L4	INTERHARM_I3_L4	42551	float	A
Current 4.inter-harmonic L1	INTERHARM_I4_L1	42553	float	A
Current 4.inter-harmonic L2	INTERHARM_I4_L2	42555	float	A
Current 4.inter-harmonic L3	INTERHARM_I4_L3	42557	float	A
Current 4.inter-harmonic L4	INTERHARM_I4_L4	42559	float	A
Current 5.inter-harmonic L1	INTERHARM_I5_L1	42561	float	A
Current 5.inter-harmonic L2	INTERHARM_I5_L2	42563	float	A
Current 5.inter-harmonic L3	INTERHARM_I5_L3	42565	float	A
Current 5.inter-harmonic L4	INTERHARM_I5_L4	42567	float	A
Current 6.inter-harmonic L1	INTERHARM_I6_L1	42569	float	A
Current 6.inter-harmonic L2	INTERHARM_I6_L2	42571	float	A
Current 6.inter-harmonic L3	INTERHARM_I6_L3	42573	float	A
Current 6.inter-harmonic L4	INTERHARM_I6_L4	42575	float	A
Current 7.inter-harmonic L1	INTERHARM_I7_L1	42577	float	A
Current 7.inter-harmonic L2	INTERHARM_I7_L2	42579	float	A
Current 7.inter-harmonic L3	INTERHARM_I7_L3	42581	float	A
Current 7.inter-harmonic L4	INTERHARM_I7_L4	42583	float	A
Current 8.inter-harmonic L1	INTERHARM_I8_L1	42585	float	A
Current 8.inter-harmonic L2	INTERHARM_I8_L2	42587	float	A
Current 8.inter-harmonic L3	INTERHARM_I8_L3	42589	float	A
Current 8.inter-harmonic L4	INTERHARM_I8_L4	42591	float	A
Current 9.inter-harmonic L1	INTERHARM_I9_L1	42593	float	A
Current 9.inter-harmonic L2	INTERHARM_I9_L2	42595	float	A
Current 9.inter-harmonic L3	INTERHARM_I9_L3	42597	float	A
Current 9.inter-harmonic L4	INTERHARM_I9_L4	42599	float	A
Current 10.inter-harmonic L1	INTERHARM_I10_L1	42601	float	A
Current 10.inter-harmonic L2	INTERHARM_I10_L2	42603	float	A
Current 10.inter-harmonic L3	INTERHARM_I10_L3	42605	float	A
Current 10.inter-harmonic L4	INTERHARM_I10_L4	42607	float	A
Current 11.inter-harmonic L1	INTERHARM_I11_L1	42609	float	A
Current 11.inter-harmonic L2	INTERHARM_I11_L2	42611	float	A
Current 11.inter-harmonic L3	INTERHARM_I11_L3	42613	float	A
Current 11.inter-harmonic L4	INTERHARM_I11_L4	42615	float	A
Current 12.inter-harmonic L1	INTERHARM_I12_L1	42617	float	A
Current 12.inter-harmonic L2	INTERHARM_I12_L2	42619	float	A
Current 12.inter-harmonic L3	INTERHARM_I12_L3	42621	float	A
Current 12.inter-harmonic L4	INTERHARM_I12_L4	42623	float	A
Current 13.inter-harmonic L1	INTERHARM_I13_L1	42625	float	A
Current 13.inter-harmonic L2	INTERHARM_I13_L2	42627	float	A
Current 13.inter-harmonic L3	INTERHARM_I13_L3	42629	float	A
Current 13.inter-harmonic L4	INTERHARM_I13_L4	42631	float	A
Current 14.inter-harmonic L1	INTERHARM_I14_L1	42633	float	A
Current 14.inter-harmonic L2	INTERHARM_I14_L2	42635	float	A
Current 14.inter-harmonic L3	INTERHARM_I14_L3	42637	float	A
Current 14.inter-harmonic L4	INTERHARM_I14_L4	42639	float	A
Current 15.inter-harmonic L1	INTERHARM_I15_L1	42641	float	A
Current 15.inter-harmonic L2	INTERHARM_I15_L2	42643	float	A
Current 15.inter-harmonic L3	INTERHARM_I15_L3	42645	float	A
Current 15.inter-harmonic L4	INTERHARM_I15_L4	42647	float	A
Current 16.inter-harmonic L1	INTERHARM_I16_L1	42649	float	A
Current 16.inter-harmonic L2	INTERHARM_I16_L2	42651	float	A
Current 16.inter-harmonic L3	INTERHARM_I16_L3	42653	float	A
Current 16.inter-harmonic L4	INTERHARM_I16_L4	42655	float	A
Current 17.inter-harmonic L1	INTERHARM_I17_L1	42657	float	A
Current 17.inter-harmonic L2	INTERHARM_I17_L2	42659	float	A
Current 17.inter-harmonic L3	INTERHARM_I17_L3	42661	float	A
Current 17.inter-harmonic L4	INTERHARM_I17_L4	42663	float	A
Current 18.inter-harmonic L1	INTERHARM_I18_L1	42665	float	A
Current 18.inter-harmonic L2	INTERHARM_I18_L2	42667	float	A
Current 18.inter-harmonic L3	INTERHARM_I18_L3	42669	float	A

Current inter-harmonics				
DESCRIPTION	NAME	ADDRESS	TYPE	UNIT
Current 18.inter-harmonic L4	INTERHARM_I18_L4	42671	float	A
Current 19.inter-harmonic L1	INTERHARM_I19_L1	42673	float	A
Current 19.inter-harmonic L2	INTERHARM_I19_L2	42675	float	A
Current 19.inter-harmonic L3	INTERHARM_I19_L3	42677	float	A
Current 19.inter-harmonic L4	INTERHARM_I19_L4	42679	float	A
Current 20.inter-harmonic L1	INTERHARM_I20_L1	42681	float	A
Current 20.inter-harmonic L2	INTERHARM_I20_L2	42683	float	A
Current 20.inter-harmonic L3	INTERHARM_I20_L3	42685	float	A
Current 20.inter-harmonic L4	INTERHARM_I20_L4	42687	float	A
Current 21.inter-harmonic L1	INTERHARM_I21_L1	42689	float	A
Current 21.inter-harmonic L2	INTERHARM_I21_L2	42691	float	A
Current 21.inter-harmonic L3	INTERHARM_I21_L3	42693	float	A
Current 21.inter-harmonic L4	INTERHARM_I21_L4	42695	float	A
Current 22.inter-harmonic L1	INTERHARM_I22_L1	42697	float	A
Current 22.inter-harmonic L2	INTERHARM_I22_L2	42699	float	A
Current 22.inter-harmonic L3	INTERHARM_I22_L3	42701	float	A
Current 22.inter-harmonic L4	INTERHARM_I22_L4	42703	float	A
Current 23.inter-harmonic L1	INTERHARM_I23_L1	42705	float	A
Current 23.inter-harmonic L2	INTERHARM_I23_L2	42707	float	A
Current 23.inter-harmonic L3	INTERHARM_I23_L3	42709	float	A
Current 23.inter-harmonic L4	INTERHARM_I23_L4	42711	float	A
Current 24.inter-harmonic L1	INTERHARM_I24_L1	42713	float	A
Current 24.inter-harmonic L2	INTERHARM_I24_L2	42715	float	A
Current 24.inter-harmonic L3	INTERHARM_I24_L3	42717	float	A
Current 24.inter-harmonic L4	INTERHARM_I24_L4	42719	float	A
Current 25.inter-harmonic L1	INTERHARM_I25_L1	42721	float	A
Current 25.inter-harmonic L2	INTERHARM_I25_L2	42723	float	A
Current 25.inter-harmonic L3	INTERHARM_I25_L3	42725	float	A
Current 25.inter-harmonic L4	INTERHARM_I25_L4	42727	float	A
Current 26.inter-harmonic L1	INTERHARM_I26_L1	42729	float	A
Current 26.inter-harmonic L2	INTERHARM_I26_L2	42731	float	A
Current 26.inter-harmonic L3	INTERHARM_I26_L3	42733	float	A
Current 26.inter-harmonic L4	INTERHARM_I26_L4	42735	float	A
Current 27.inter-harmonic L1	INTERHARM_I27_L1	42737	float	A
Current 27.inter-harmonic L2	INTERHARM_I27_L2	42739	float	A
Current 27.inter-harmonic L3	INTERHARM_I27_L3	42741	float	A
Current 27.inter-harmonic L4	INTERHARM_I27_L4	42743	float	A
Current 28.inter-harmonic L1	INTERHARM_I28_L1	42745	float	A
Current 28.inter-harmonic L2	INTERHARM_I28_L2	42747	float	A
Current 28.inter-harmonic L3	INTERHARM_I28_L3	42749	float	A
Current 28.inter-harmonic L4	INTERHARM_I28_L4	42751	float	A
Current 29.inter-harmonic L1	INTERHARM_I29_L1	42753	float	A
Current 29.inter-harmonic L2	INTERHARM_I29_L2	42755	float	A
Current 29.inter-harmonic L3	INTERHARM_I29_L3	42757	float	A
Current 29.inter-harmonic L4	INTERHARM_I29_L4	42759	float	A
Current 30.inter-harmonic L1	INTERHARM_I30_L1	42761	float	A
Current 30.inter-harmonic L2	INTERHARM_I30_L2	42763	float	A
Current 30.inter-harmonic L3	INTERHARM_I30_L3	42765	float	A
Current 30.inter-harmonic L4	INTERHARM_I30_L4	42767	float	A
Current 31.inter-harmonic L1	INTERHARM_I31_L1	42769	float	A
Current 31.inter-harmonic L2	INTERHARM_I31_L2	42771	float	A
Current 31.inter-harmonic L3	INTERHARM_I31_L3	42773	float	A
Current 31.inter-harmonic L4	INTERHARM_I31_L4	42775	float	A
Current 32.inter-harmonic L1	INTERHARM_I32_L1	42777	float	A
Current 32.inter-harmonic L2	INTERHARM_I32_L2	42779	float	A
Current 32.inter-harmonic L3	INTERHARM_I32_L3	42781	float	A
Current 32.inter-harmonic L4	INTERHARM_I32_L4	42783	float	A
Current 33.inter-harmonic L1	INTERHARM_I33_L1	42785	float	A
Current 33.inter-harmonic L2	INTERHARM_I33_L2	42787	float	A
Current 33.inter-harmonic L3	INTERHARM_I33_L3	42789	float	A
Current 33.inter-harmonic L4	INTERHARM_I33_L4	42791	float	A
Current 34.inter-harmonic L1	INTERHARM_I34_L1	42793	float	A
Current 34.inter-harmonic L2	INTERHARM_I34_L2	42795	float	A
Current 34.inter-harmonic L3	INTERHARM_I34_L3	42797	float	A
Current 34.inter-harmonic L4	INTERHARM_I34_L4	42799	float	A
Current 35.inter-harmonic L1	INTERHARM_I35_L1	42801	float	A
Current 35.inter-harmonic L2	INTERHARM_I35_L2	42803	float	A
Current 35.inter-harmonic L3	INTERHARM_I35_L3	42805	float	A
Current 35.inter-harmonic L4	INTERHARM_I35_L4	42807	float	A
Current 36.inter-harmonic L1	INTERHARM_I36_L1	42809	float	A
Current 36.inter-harmonic L2	INTERHARM_I36_L2	42811	float	A

Current inter-harmonics				
DESCRIPTION	NAME	ADDRESS	TYPE	UNIT
Current 36.inter-harmonic L3	INTERHARM_I36_L3	42813	float	A
Current 36.inter-harmonic L4	INTERHARM_I36_L4	42815	float	A
Current 37.inter-harmonic L1	INTERHARM_I37_L1	42817	float	A
Current 37.inter-harmonic L2	INTERHARM_I37_L2	42819	float	A
Current 37.inter-harmonic L3	INTERHARM_I37_L3	42821	float	A
Current 37.inter-harmonic L4	INTERHARM_I37_L4	42823	float	A
Current 38.inter-harmonic L1	INTERHARM_I38_L1	42825	float	A
Current 38.inter-harmonic L2	INTERHARM_I38_L2	42827	float	A
Current 38.inter-harmonic L3	INTERHARM_I38_L3	42829	float	A
Current 38.inter-harmonic L4	INTERHARM_I38_L4	42831	float	A
Current 39.inter-harmonic L1	INTERHARM_I39_L1	42833	float	A
Current 39.inter-harmonic L2	INTERHARM_I39_L2	42835	float	A
Current 39.inter-harmonic L3	INTERHARM_I39_L3	42837	float	A
Current 39.inter-harmonic L4	INTERHARM_I39_L4	42839	float	A
Current 40.inter-harmonic L1	INTERHARM_I40_L1	42841	float	A
Current 40.inter-harmonic L2	INTERHARM_I40_L2	42843	float	A
Current 40.inter-harmonic L3	INTERHARM_I40_L3	42845	float	A
Current 40.inter-harmonic L4	INTERHARM_I40_L4	42847	float	A
Current 41.inter-harmonic L1	INTERHARM_I41_L1	42849	float	A
Current 41.inter-harmonic L2	INTERHARM_I41_L2	42851	float	A
Current 41.inter-harmonic L3	INTERHARM_I41_L3	42853	float	A
Current 41.inter-harmonic L4	INTERHARM_I41_L4	42855	float	A
Current 42.inter-harmonic L1	INTERHARM_I42_L1	42857	float	A
Current 42.inter-harmonic L2	INTERHARM_I42_L2	42859	float	A
Current 42.inter-harmonic L3	INTERHARM_I42_L3	42861	float	A
Current 42.inter-harmonic L4	INTERHARM_I42_L4	42863	float	A
Current 43.inter-harmonic L1	INTERHARM_I43_L1	42865	float	A
Current 43.inter-harmonic L2	INTERHARM_I43_L2	42867	float	A
Current 43.inter-harmonic L3	INTERHARM_I43_L3	42869	float	A
Current 43.inter-harmonic L4	INTERHARM_I43_L4	42871	float	A
Current 44.inter-harmonic L1	INTERHARM_I44_L1	42873	float	A
Current 44.inter-harmonic L2	INTERHARM_I44_L2	42875	float	A
Current 44.inter-harmonic L3	INTERHARM_I44_L3	42877	float	A
Current 44.inter-harmonic L4	INTERHARM_I44_L4	42879	float	A
Current 45.inter-harmonic L1	INTERHARM_I45_L1	42881	float	A
Current 45.inter-harmonic L2	INTERHARM_I45_L2	42883	float	A
Current 45.inter-harmonic L3	INTERHARM_I45_L3	42885	float	A
Current 45.inter-harmonic L4	INTERHARM_I45_L4	42887	float	A
Current 46.inter-harmonic L1	INTERHARM_I46_L1	42889	float	A
Current 46.inter-harmonic L2	INTERHARM_I46_L2	42891	float	A
Current 46.inter-harmonic L3	INTERHARM_I46_L3	42893	float	A
Current 46.inter-harmonic L4	INTERHARM_I46_L4	42895	float	A
Current 47.inter-harmonic L1	INTERHARM_I47_L1	42897	float	A
Current 47.inter-harmonic L2	INTERHARM_I47_L2	42899	float	A
Current 47.inter-harmonic L3	INTERHARM_I47_L3	42901	float	A
Current 47.inter-harmonic L4	INTERHARM_I47_L4	42903	float	A
Current 48.inter-harmonic L1	INTERHARM_I48_L1	42905	float	A
Current 48.inter-harmonic L2	INTERHARM_I48_L2	42907	float	A
Current 48.inter-harmonic L3	INTERHARM_I48_L3	42909	float	A
Current 48.inter-harmonic L4	INTERHARM_I48_L4	42911	float	A
Current 49.inter-harmonic L1	INTERHARM_I49_L1	42913	float	A
Current 49.inter-harmonic L2	INTERHARM_I49_L2	42915	float	A
Current 49.inter-harmonic L3	INTERHARM_I49_L3	42917	float	A
Current 49.inter-harmonic L4	INTERHARM_I49_L4	42919	float	A
Current 50.inter-harmonic L1	INTERHARM_I50_L1	42921	float	A
Current 50.inter-harmonic L2	INTERHARM_I50_L2	42923	float	A
Current 50.inter-harmonic L3	INTERHARM_I50_L3	42925	float	A
Current 50.inter-harmonic L4	INTERHARM_I50_L4	42927	float	A
Current 51.inter-harmonic L1	INTERHARM_I51_L1	42929	float	A
Current 51.inter-harmonic L2	INTERHARM_I51_L2	42931	float	A
Current 51.inter-harmonic L3	INTERHARM_I51_L3	42933	float	A
Current 51.inter-harmonic L4	INTERHARM_I51_L4	42935	float	A
Current 52.inter-harmonic L1	INTERHARM_I52_L1	42937	float	A
Current 52.inter-harmonic L2	INTERHARM_I52_L2	42939	float	A
Current 52.inter-harmonic L3	INTERHARM_I52_L3	42941	float	A
Current 52.inter-harmonic L4	INTERHARM_I52_L4	42943	float	A
Current 53.inter-harmonic L1	INTERHARM_I53_L1	42945	float	A
Current 53.inter-harmonic L2	INTERHARM_I53_L2	42947	float	A
Current 53.inter-harmonic L3	INTERHARM_I53_L3	42949	float	A
Current 53.inter-harmonic L4	INTERHARM_I53_L4	42951	float	A
Current 54.inter-harmonic L1	INTERHARM_I54_L1	42953	float	A

Current inter-harmonics				
DESCRIPTION	NAME	ADDRESS	TYPE	UNIT
Current 54.inter-harmonic L2	INTERHARM_I54_L2	42955	float	A
Current 54.inter-harmonic L3	INTERHARM_I54_L3	42957	float	A
Current 54.inter-harmonic L4	INTERHARM_I54_L4	42959	float	A
Current 55.inter-harmonic L1	INTERHARM_I55_L1	42961	float	A
Current 55.inter-harmonic L2	INTERHARM_I55_L2	42963	float	A
Current 55.inter-harmonic L3	INTERHARM_I55_L3	42965	float	A
Current 55.inter-harmonic L4	INTERHARM_I55_L4	42967	float	A
Current 56.inter-harmonic L1	INTERHARM_I56_L1	42969	float	A
Current 56.inter-harmonic L2	INTERHARM_I56_L2	42971	float	A
Current 56.inter-harmonic L3	INTERHARM_I56_L3	42973	float	A
Current 56.inter-harmonic L4	INTERHARM_I56_L4	42975	float	A
Current 57.inter-harmonic L1	INTERHARM_I57_L1	42977	float	A
Current 57.inter-harmonic L2	INTERHARM_I57_L2	42979	float	A
Current 57.inter-harmonic L3	INTERHARM_I57_L3	42981	float	A
Current 57.inter-harmonic L4	INTERHARM_I57_L4	42983	float	A
Current 58.inter-harmonic L1	INTERHARM_I58_L1	42985	float	A
Current 58.inter-harmonic L2	INTERHARM_I58_L2	42987	float	A
Current 58.inter-harmonic L3	INTERHARM_I58_L3	42989	float	A
Current 58.inter-harmonic L4	INTERHARM_I58_L4	42991	float	A
Current 59.inter-harmonic L1	INTERHARM_I59_L1	42993	float	A
Current 59.inter-harmonic L2	INTERHARM_I59_L2	42995	float	A
Current 59.inter-harmonic L3	INTERHARM_I59_L3	42997	float	A
Current 59.inter-harmonic L4	INTERHARM_I59_L4	42999	float	A
Current 60.inter-harmonic L1	INTERHARM_I60_L1	43001	float	A
Current 60.inter-harmonic L2	INTERHARM_I60_L2	43003	float	A
Current 60.inter-harmonic L3	INTERHARM_I60_L3	43005	float	A
Current 60.inter-harmonic L4	INTERHARM_I60_L4	43007	float	A
Current 61.inter-harmonic L1	INTERHARM_I61_L1	43009	float	A
Current 61.inter-harmonic L2	INTERHARM_I61_L2	43011	float	A
Current 61.inter-harmonic L3	INTERHARM_I61_L3	43013	float	A
Current 61.inter-harmonic L4	INTERHARM_I61_L4	43015	float	A
Current 62.inter-harmonic L1	INTERHARM_I62_L1	43017	float	A
Current 62.inter-harmonic L2	INTERHARM_I62_L2	43019	float	A
Current 62.inter-harmonic L3	INTERHARM_I62_L3	43021	float	A
Current 62.inter-harmonic L4	INTERHARM_I62_L4	43023	float	A
Current 63.inter-harmonic L1	INTERHARM_I63_L1	43025	float	A
Current 63.inter-harmonic L2	INTERHARM_I63_L2	43027	float	A
Current 63.inter-harmonic L3	INTERHARM_I63_L3	43029	float	A
Current 63.inter-harmonic L4	INTERHARM_I63_L4	43031	float	A
Current 64.inter-harmonic L1	INTERHARM_I64_L1	43033	float	A
Current 64.inter-harmonic L2	INTERHARM_I64_L2	43035	float	A
Current 64.inter-harmonic L3	INTERHARM_I64_L3	43037	float	A
Current 64.inter-harmonic L4	INTERHARM_I64_L4	43039	float	A

Current group harmonics				
DESCRIPTION	NAME	ADDRESS	TYPE	UNIT
Current 1.group harmonic L1	GROUP_HARM_I1_L1	43041	float	A
Current 1.group harmonic L2	GROUP_HARM_I1_L2	43043	float	A
Current 1.group harmonic L3	GROUP_HARM_I1_L3	43045	float	A
Current 1.group harmonic L4	GROUP_HARM_I1_L4	43047	float	A
Current 2.group harmonic L1	GROUP_HARM_I2_L1	43049	float	A
Current 2.group harmonic L2	GROUP_HARM_I2_L2	43051	float	A
Current 2.group harmonic L3	GROUP_HARM_I2_L3	43053	float	A
Current 2.group harmonic L4	GROUP_HARM_I2_L4	43055	float	A
Current 3.group harmonic L1	GROUP_HARM_I3_L1	43057	float	A
Current 3.group harmonic L2	GROUP_HARM_I3_L2	43059	float	A
Current 3.group harmonic L3	GROUP_HARM_I3_L3	43061	float	A
Current 3.group harmonic L4	GROUP_HARM_I3_L4	43063	float	A
Current 4.group harmonic L1	GROUP_HARM_I4_L1	43065	float	A
Current 4.group harmonic L2	GROUP_HARM_I4_L2	43067	float	A
Current 4.group harmonic L3	GROUP_HARM_I4_L3	43069	float	A
Current 4.group harmonic L4	GROUP_HARM_I4_L4	43071	float	A
Current 5.group harmonic L1	GROUP_HARM_I5_L1	43073	float	A
Current 5.group harmonic L2	GROUP_HARM_I5_L2	43075	float	A
Current 5.group harmonic L3	GROUP_HARM_I5_L3	43077	float	A
Current 5.group harmonic L4	GROUP_HARM_I5_L4	43079	float	A
Current 6.group harmonic L1	GROUP_HARM_I6_L1	43081	float	A
Current 6.group harmonic L2	GROUP_HARM_I6_L2	43083	float	A
Current 6.group harmonic L3	GROUP_HARM_I6_L3	43085	float	A
Current 6.group harmonic L4	GROUP_HARM_I6_L4	43087	float	A
Current 7.group harmonic L1	GROUP_HARM_I7_L1	43089	float	A
Current 7.group harmonic L2	GROUP_HARM_I7_L2	43091	float	A
Current 7.group harmonic L3	GROUP_HARM_I7_L3	43093	float	A
Current 7.group harmonic L4	GROUP_HARM_I7_L4	43095	float	A
Current 8.group harmonic L1	GROUP_HARM_I8_L1	43097	float	A
Current 8.group harmonic L2	GROUP_HARM_I8_L2	43099	float	A
Current 8.group harmonic L3	GROUP_HARM_I8_L3	43101	float	A
Current 8.group harmonic L4	GROUP_HARM_I8_L4	43103	float	A
Current 9.group harmonic L1	GROUP_HARM_I9_L1	43105	float	A
Current 9.group harmonic L2	GROUP_HARM_I9_L2	43107	float	A
Current 9.group harmonic L3	GROUP_HARM_I9_L3	43109	float	A
Current 9.group harmonic L4	GROUP_HARM_I9_L4	43111	float	A
Current 10.group harmonic L1	GROUP_HARM_I10_L1	43113	float	A
Current 10.group harmonic L2	GROUP_HARM_I10_L2	43115	float	A
Current 10.group harmonic L3	GROUP_HARM_I10_L3	43117	float	A
Current 10.group harmonic L4	GROUP_HARM_I10_L4	43119	float	A
Current 11.group harmonic L1	GROUP_HARM_I11_L1	43121	float	A
Current 11.group harmonic L2	GROUP_HARM_I11_L2	43123	float	A
Current 11.group harmonic L3	GROUP_HARM_I11_L3	43125	float	A
Current 11.group harmonic L4	GROUP_HARM_I11_L4	43127	float	A
Current 12.group harmonic L1	GROUP_HARM_I12_L1	43129	float	A
Current 12.group harmonic L2	GROUP_HARM_I12_L2	43131	float	A
Current 12.group harmonic L3	GROUP_HARM_I12_L3	43133	float	A
Current 12.group harmonic L4	GROUP_HARM_I12_L4	43135	float	A
Current 13.group harmonic L1	GROUP_HARM_I13_L1	43137	float	A
Current 13.group harmonic L2	GROUP_HARM_I13_L2	43139	float	A
Current 13.group harmonic L3	GROUP_HARM_I13_L3	43141	float	A
Current 13.group harmonic L4	GROUP_HARM_I13_L4	43143	float	A
Current 14.group harmonic L1	GROUP_HARM_I14_L1	43145	float	A
Current 14.group harmonic L2	GROUP_HARM_I14_L2	43147	float	A
Current 14.group harmonic L3	GROUP_HARM_I14_L3	43149	float	A
Current 14.group harmonic L4	GROUP_HARM_I14_L4	43151	float	A
Current 15.group harmonic L1	GROUP_HARM_I15_L1	43153	float	A
Current 15.group harmonic L2	GROUP_HARM_I15_L2	43155	float	A
Current 15.group harmonic L3	GROUP_HARM_I15_L3	43157	float	A
Current 15.group harmonic L4	GROUP_HARM_I15_L4	43159	float	A
Current 16.group harmonic L1	GROUP_HARM_I16_L1	43161	float	A
Current 16.group harmonic L2	GROUP_HARM_I16_L2	43163	float	A
Current 16.group harmonic L3	GROUP_HARM_I16_L3	43165	float	A
Current 16.group harmonic L4	GROUP_HARM_I16_L4	43167	float	A
Current 17.group harmonic L1	GROUP_HARM_I17_L1	43169	float	A
Current 17.group harmonic L2	GROUP_HARM_I17_L2	43171	float	A
Current 17.group harmonic L3	GROUP_HARM_I17_L3	43173	float	A
Current 17.group harmonic L4	GROUP_HARM_I17_L4	43175	float	A
Current 18.group harmonic L1	GROUP_HARM_I18_L1	43177	float	A
Current 18.group harmonic L2	GROUP_HARM_I18_L2	43179	float	A
Current 18.group harmonic L3	GROUP_HARM_I18_L3	43181	float	A

Current group harmonics				
DESCRIPTION	NAME	ADDRESS	TYPE	UNIT
Current 18.group harmonic L4	GROUP_HARM_I18_L4	43183	float	A
Current 19.group harmonic L1	GROUP_HARM_I19_L1	43185	float	A
Current 19.group harmonic L2	GROUP_HARM_I19_L2	43187	float	A
Current 19.group harmonic L3	GROUP_HARM_I19_L3	43189	float	A
Current 19.group harmonic L4	GROUP_HARM_I19_L4	43191	float	A
Current 20.group harmonic L1	GROUP_HARM_I20_L1	43193	float	A
Current 20.group harmonic L2	GROUP_HARM_I20_L2	43195	float	A
Current 20.group harmonic L3	GROUP_HARM_I20_L3	43197	float	A
Current 20.group harmonic L4	GROUP_HARM_I20_L4	43199	float	A
Current 21.group harmonic L1	GROUP_HARM_I21_L1	43201	float	A
Current 21.group harmonic L2	GROUP_HARM_I21_L2	43203	float	A
Current 21.group harmonic L3	GROUP_HARM_I21_L3	43205	float	A
Current 21.group harmonic L4	GROUP_HARM_I21_L4	43207	float	A
Current 22.group harmonic L1	GROUP_HARM_I22_L1	43209	float	A
Current 22.group harmonic L2	GROUP_HARM_I22_L2	43211	float	A
Current 22.group harmonic L3	GROUP_HARM_I22_L3	43213	float	A
Current 22.group harmonic L4	GROUP_HARM_I22_L4	43215	float	A
Current 23.group harmonic L1	GROUP_HARM_I23_L1	43217	float	A
Current 23.group harmonic L2	GROUP_HARM_I23_L2	43219	float	A
Current 23.group harmonic L3	GROUP_HARM_I23_L3	43221	float	A
Current 23.group harmonic L4	GROUP_HARM_I23_L4	43223	float	A
Current 24.group harmonic L1	GROUP_HARM_I24_L1	43225	float	A
Current 24.group harmonic L2	GROUP_HARM_I24_L2	43227	float	A
Current 24.group harmonic L3	GROUP_HARM_I24_L3	43229	float	A
Current 24.group harmonic L4	GROUP_HARM_I24_L4	43231	float	A
Current 25.group harmonic L1	GROUP_HARM_I25_L1	43233	float	A
Current 25.group harmonic L2	GROUP_HARM_I25_L2	43235	float	A
Current 25.group harmonic L3	GROUP_HARM_I25_L3	43237	float	A
Current 25.group harmonic L4	GROUP_HARM_I25_L4	43239	float	A
Current 26.group harmonic L1	GROUP_HARM_I26_L1	43241	float	A
Current 26.group harmonic L2	GROUP_HARM_I26_L2	43243	float	A
Current 26.group harmonic L3	GROUP_HARM_I26_L3	43245	float	A
Current 26.group harmonic L4	GROUP_HARM_I26_L4	43247	float	A
Current 27.group harmonic L1	GROUP_HARM_I27_L1	43249	float	A
Current 27.group harmonic L2	GROUP_HARM_I27_L2	43251	float	A
Current 27.group harmonic L3	GROUP_HARM_I27_L3	43253	float	A
Current 27.group harmonic L4	GROUP_HARM_I27_L4	43255	float	A
Current 28.group harmonic L1	GROUP_HARM_I28_L1	43257	float	A
Current 28.group harmonic L2	GROUP_HARM_I28_L2	43259	float	A
Current 28.group harmonic L3	GROUP_HARM_I28_L3	43261	float	A
Current 28.group harmonic L4	GROUP_HARM_I28_L4	43263	float	A
Current 29.group harmonic L1	GROUP_HARM_I29_L1	43265	float	A
Current 29.group harmonic L2	GROUP_HARM_I29_L2	43267	float	A
Current 29.group harmonic L3	GROUP_HARM_I29_L3	43269	float	A
Current 29.group harmonic L4	GROUP_HARM_I29_L4	43271	float	A
Current 30.group harmonic L1	GROUP_HARM_I30_L1	43273	float	A
Current 30.group harmonic L2	GROUP_HARM_I30_L2	43275	float	A
Current 30.group harmonic L3	GROUP_HARM_I30_L3	43277	float	A
Current 30.group harmonic L4	GROUP_HARM_I30_L4	43279	float	A
Current 31.group harmonic L1	GROUP_HARM_I31_L1	43281	float	A
Current 31.group harmonic L2	GROUP_HARM_I31_L2	43283	float	A
Current 31.group harmonic L3	GROUP_HARM_I31_L3	43285	float	A
Current 31.group harmonic L4	GROUP_HARM_I31_L4	43287	float	A
Current 32.group harmonic L1	GROUP_HARM_I32_L1	43289	float	A
Current 32.group harmonic L2	GROUP_HARM_I32_L2	43291	float	A
Current 32.group harmonic L3	GROUP_HARM_I32_L3	43293	float	A
Current 32.group harmonic L4	GROUP_HARM_I32_L4	43295	float	A
Current 33.group harmonic L1	GROUP_HARM_I33_L1	43297	float	A
Current 33.group harmonic L2	GROUP_HARM_I33_L2	43299	float	A
Current 33.group harmonic L3	GROUP_HARM_I33_L3	43301	float	A
Current 33.group harmonic L4	GROUP_HARM_I33_L4	43303	float	A
Current 34.group harmonic L1	GROUP_HARM_I34_L1	43305	float	A
Current 34.group harmonic L2	GROUP_HARM_I34_L2	43307	float	A
Current 34.group harmonic L3	GROUP_HARM_I34_L3	43309	float	A
Current 34.group harmonic L4	GROUP_HARM_I34_L4	43311	float	A
Current 35.group harmonic L1	GROUP_HARM_I35_L1	43313	float	A
Current 35.group harmonic L2	GROUP_HARM_I35_L2	43315	float	A
Current 35.group harmonic L3	GROUP_HARM_I35_L3	43317	float	A
Current 35.group harmonic L4	GROUP_HARM_I35_L4	43319	float	A
Current 36.group harmonic L1	GROUP_HARM_I36_L1	43321	float	A
Current 36.group harmonic L2	GROUP_HARM_I36_L2	43323	float	A

Current group harmonics				
DESCRIPTION	NAME	ADDRESS	TYPE	UNIT
Current 36.group harmonic L3	GROUP_HARM_I36_L3	43325	float	A
Current 36.group harmonic L4	GROUP_HARM_I36_L4	43327	float	A
Current 37.group harmonic L1	GROUP_HARM_I37_L1	43329	float	A
Current 37.group harmonic L2	GROUP_HARM_I37_L2	43331	float	A
Current 37.group harmonic L3	GROUP_HARM_I37_L3	43333	float	A
Current 37.group harmonic L4	GROUP_HARM_I37_L4	43335	float	A
Current 38.group harmonic L1	GROUP_HARM_I38_L1	43337	float	A
Current 38.group harmonic L2	GROUP_HARM_I38_L2	43339	float	A
Current 38.group harmonic L3	GROUP_HARM_I38_L3	43341	float	A
Current 38.group harmonic L4	GROUP_HARM_I38_L4	43343	float	A
Current 39.group harmonic L1	GROUP_HARM_I39_L1	43345	float	A
Current 39.group harmonic L2	GROUP_HARM_I39_L2	43347	float	A
Current 39.group harmonic L3	GROUP_HARM_I39_L3	43349	float	A
Current 39.group harmonic L4	GROUP_HARM_I39_L4	43351	float	A
Current 40.group harmonic L1	GROUP_HARM_I40_L1	43353	float	A
Current 40.group harmonic L2	GROUP_HARM_I40_L2	43355	float	A
Current 40.group harmonic L3	GROUP_HARM_I40_L3	43357	float	A
Current 40.group harmonic L4	GROUP_HARM_I40_L4	43359	float	A
Current 41.group harmonic L1	GROUP_HARM_I41_L1	43361	float	A
Current 41.group harmonic L2	GROUP_HARM_I41_L2	43363	float	A
Current 41.group harmonic L3	GROUP_HARM_I41_L3	43365	float	A
Current 41.group harmonic L4	GROUP_HARM_I41_L4	43367	float	A
Current 42.group harmonic L1	GROUP_HARM_I42_L1	43369	float	A
Current 42.group harmonic L2	GROUP_HARM_I42_L2	43371	float	A
Current 42.group harmonic L3	GROUP_HARM_I42_L3	43373	float	A
Current 42.group harmonic L4	GROUP_HARM_I42_L4	43375	float	A
Current 43.group harmonic L1	GROUP_HARM_I43_L1	43377	float	A
Current 43.group harmonic L2	GROUP_HARM_I43_L2	43379	float	A
Current 43.group harmonic L3	GROUP_HARM_I43_L3	43381	float	A
Current 43.group harmonic L4	GROUP_HARM_I43_L4	43383	float	A
Current 44.group harmonic L1	GROUP_HARM_I44_L1	43385	float	A
Current 44.group harmonic L2	GROUP_HARM_I44_L2	43387	float	A
Current 44.group harmonic L3	GROUP_HARM_I44_L3	43389	float	A
Current 44.group harmonic L4	GROUP_HARM_I44_L4	43391	float	A
Current 45.group harmonic L1	GROUP_HARM_I45_L1	43393	float	A
Current 45.group harmonic L2	GROUP_HARM_I45_L2	43395	float	A
Current 45.group harmonic L3	GROUP_HARM_I45_L3	43397	float	A
Current 45.group harmonic L4	GROUP_HARM_I45_L4	43399	float	A
Current 46.group harmonic L1	GROUP_HARM_I46_L1	43401	float	A
Current 46.group harmonic L2	GROUP_HARM_I46_L2	43403	float	A
Current 46.group harmonic L3	GROUP_HARM_I46_L3	43405	float	A
Current 46.group harmonic L4	GROUP_HARM_I46_L4	43407	float	A
Current 47.group harmonic L1	GROUP_HARM_I47_L1	43409	float	A
Current 47.group harmonic L2	GROUP_HARM_I47_L2	43411	float	A
Current 47.group harmonic L3	GROUP_HARM_I47_L3	43413	float	A
Current 47.group harmonic L4	GROUP_HARM_I47_L4	43415	float	A
Current 48.group harmonic L1	GROUP_HARM_I48_L1	43417	float	A
Current 48.group harmonic L2	GROUP_HARM_I48_L2	43419	float	A
Current 48.group harmonic L3	GROUP_HARM_I48_L3	43421	float	A
Current 48.group harmonic L4	GROUP_HARM_I48_L4	43423	float	A
Current 49.group harmonic L1	GROUP_HARM_I49_L1	43425	float	A
Current 49.group harmonic L2	GROUP_HARM_I49_L2	43427	float	A
Current 49.group harmonic L3	GROUP_HARM_I49_L3	43429	float	A
Current 49.group harmonic L4	GROUP_HARM_I49_L4	43431	float	A
Current 50.group harmonic L1	GROUP_HARM_I50_L1	43433	float	A
Current 50.group harmonic L2	GROUP_HARM_I50_L2	43435	float	A
Current 50.group harmonic L3	GROUP_HARM_I50_L3	43437	float	A
Current 50.group harmonic L4	GROUP_HARM_I50_L4	43439	float	A
Current 51.group harmonic L1	GROUP_HARM_I51_L1	43441	float	A
Current 51.group harmonic L2	GROUP_HARM_I51_L2	43443	float	A
Current 51.group harmonic L3	GROUP_HARM_I51_L3	43445	float	A
Current 51.group harmonic L4	GROUP_HARM_I51_L4	43447	float	A
Current 52.group harmonic L1	GROUP_HARM_I52_L1	43449	float	A
Current 52.group harmonic L2	GROUP_HARM_I52_L2	43451	float	A
Current 52.group harmonic L3	GROUP_HARM_I52_L3	43453	float	A
Current 52.group harmonic L4	GROUP_HARM_I52_L4	43455	float	A
Current 53.group harmonic L1	GROUP_HARM_I53_L1	43457	float	A
Current 53.group harmonic L2	GROUP_HARM_I53_L2	43459	float	A
Current 53.group harmonic L3	GROUP_HARM_I53_L3	43461	float	A
Current 53.group harmonic L4	GROUP_HARM_I53_L4	43463	float	A
Current 54.group harmonic L1	GROUP_HARM_I54_L1	43465	float	A

Current group harmonics				
DESCRIPTION	NAME	ADDRESS	TYPE	UNIT
Current 54.group harmonic L2	GROUP_HARM_I54_L2	43467	float	A
Current 54.group harmonic L3	GROUP_HARM_I54_L3	43469	float	A
Current 54.group harmonic L4	GROUP_HARM_I54_L4	43471	float	A
Current 55.group harmonic L1	GROUP_HARM_I55_L1	43473	float	A
Current 55.group harmonic L2	GROUP_HARM_I55_L2	43475	float	A
Current 55.group harmonic L3	GROUP_HARM_I55_L3	43477	float	A
Current 55.group harmonic L4	GROUP_HARM_I55_L4	43479	float	A
Current 56.group harmonic L1	GROUP_HARM_I56_L1	43481	float	A
Current 56.group harmonic L2	GROUP_HARM_I56_L2	43483	float	A
Current 56.group harmonic L3	GROUP_HARM_I56_L3	43485	float	A
Current 56.group harmonic L4	GROUP_HARM_I56_L4	43487	float	A
Current 57.group harmonic L1	GROUP_HARM_I57_L1	43489	float	A
Current 57.group harmonic L2	GROUP_HARM_I57_L2	43491	float	A
Current 57.group harmonic L3	GROUP_HARM_I57_L3	43493	float	A
Current 57.group harmonic L4	GROUP_HARM_I57_L4	43495	float	A
Current 58.group harmonic L1	GROUP_HARM_I58_L1	43497	float	A
Current 58.group harmonic L2	GROUP_HARM_I58_L2	43499	float	A
Current 58.group harmonic L3	GROUP_HARM_I58_L3	43501	float	A
Current 58.group harmonic L4	GROUP_HARM_I58_L4	43503	float	A
Current 59.group harmonic L1	GROUP_HARM_I59_L1	43505	float	A
Current 59.group harmonic L2	GROUP_HARM_I59_L2	43507	float	A
Current 59.group harmonic L3	GROUP_HARM_I59_L3	43509	float	A
Current 59.group harmonic L4	GROUP_HARM_I59_L4	43511	float	A
Current 60.group harmonic L1	GROUP_HARM_I60_L1	43513	float	A
Current 60.group harmonic L2	GROUP_HARM_I60_L2	43515	float	A
Current 60.group harmonic L3	GROUP_HARM_I60_L3	43517	float	A
Current 60.group harmonic L4	GROUP_HARM_I60_L4	43519	float	A
Current 61.group harmonic L1	GROUP_HARM_I61_L1	43521	float	A
Current 61.group harmonic L2	GROUP_HARM_I61_L2	43523	float	A
Current 61.group harmonic L3	GROUP_HARM_I61_L3	43525	float	A
Current 61.group harmonic L4	GROUP_HARM_I61_L4	43527	float	A
Current 62.group harmonic L1	GROUP_HARM_I62_L1	43529	float	A
Current 62.group harmonic L2	GROUP_HARM_I62_L2	43531	float	A
Current 62.group harmonic L3	GROUP_HARM_I62_L3	43533	float	A
Current 62.group harmonic L4	GROUP_HARM_I62_L4	43535	float	A
Current 63.group harmonic L1	GROUP_HARM_I63_L1	43537	float	A
Current 63.group harmonic L2	GROUP_HARM_I63_L2	43539	float	A
Current 63.group harmonic L3	GROUP_HARM_I63_L3	43541	float	A
Current 63.group harmonic L4	GROUP_HARM_I63_L4	43543	float	A
Current 64.group harmonic L1	GROUP_HARM_I64_L1	43545	float	A
Current 64.group harmonic L2	GROUP_HARM_I64_L2	43547	float	A
Current 64.group harmonic L3	GROUP_HARM_I64_L3	43549	float	A
Current 64.group harmonic L4	GROUP_HARM_I64_L4	43551	float	A

Active power harmonics				
DESCRIPTION	NAME	ADDRESS	TYPE	UNIT
Active power 1.harmonic L1	HARM_P1_L1	43553	float	W
Active power 1.harmonic L2	HARM_P1_L2	43555	float	W
Active power 1.harmonic L3	HARM_P1_L3	43557	float	W
Active power 1.harmonic L4	HARM_P1_L4	43559	float	W
Active power 2.harmonic L1	HARM_P2_L1	43561	float	W
Active power 2.harmonic L2	HARM_P2_L2	43563	float	W
Active power 2.harmonic L3	HARM_P2_L3	43565	float	W
Active power 2.harmonic L4	HARM_P2_L4	43567	float	W
Active power 3.harmonic L1	HARM_P3_L1	43569	float	W
Active power 3.harmonic L2	HARM_P3_L2	43571	float	W
Active power 3.harmonic L3	HARM_P3_L3	43573	float	W
Active power 3.harmonic L4	HARM_P3_L4	43575	float	W
Active power 4.harmonic L1	HARM_P4_L1	43577	float	W
Active power 4.harmonic L2	HARM_P4_L2	43579	float	W
Active power 4.harmonic L3	HARM_P4_L3	43581	float	W
Active power 4.harmonic L4	HARM_P4_L4	43583	float	W
Active power 5.harmonic L1	HARM_P5_L1	43585	float	W
Active power 5.harmonic L2	HARM_P5_L2	43587	float	W
Active power 5.harmonic L3	HARM_P5_L3	43589	float	W
Active power 5.harmonic L4	HARM_P5_L4	43591	float	W
Active power 6.harmonic L1	HARM_P6_L1	43593	float	W
Active power 6.harmonic L2	HARM_P6_L2	43595	float	W
Active power 6.harmonic L3	HARM_P6_L3	43597	float	W
Active power 6.harmonic L4	HARM_P6_L4	43599	float	W
Active power 7.harmonic L1	HARM_P7_L1	43601	float	W
Active power 7.harmonic L2	HARM_P7_L2	43603	float	W
Active power 7.harmonic L3	HARM_P7_L3	43605	float	W
Active power 7.harmonic L4	HARM_P7_L4	43607	float	W
Active power 8.harmonic L1	HARM_P8_L1	43609	float	W
Active power 8.harmonic L2	HARM_P8_L2	43611	float	W
Active power 8.harmonic L3	HARM_P8_L3	43613	float	W
Active power 8.harmonic L4	HARM_P8_L4	43615	float	W
Active power 9.harmonic L1	HARM_P9_L1	43617	float	W
Active power 9.harmonic L2	HARM_P9_L2	43619	float	W
Active power 9.harmonic L3	HARM_P9_L3	43621	float	W
Active power 9.harmonic L4	HARM_P9_L4	43623	float	W
Active power 10.harmonic L1	HARM_P10_L1	43625	float	W
Active power 10.harmonic L2	HARM_P10_L2	43627	float	W
Active power 10.harmonic L3	HARM_P10_L3	43629	float	W
Active power 10.harmonic L4	HARM_P10_L4	43631	float	W
Active power 11.harmonic L1	HARM_P11_L1	43633	float	W
Active power 11.harmonic L2	HARM_P11_L2	43635	float	W
Active power 11.harmonic L3	HARM_P11_L3	43637	float	W
Active power 11.harmonic L4	HARM_P11_L4	43639	float	W
Active power 12.harmonic L1	HARM_P12_L1	43641	float	W
Active power 12.harmonic L2	HARM_P12_L2	43643	float	W
Active power 12.harmonic L3	HARM_P12_L3	43645	float	W
Active power 12.harmonic L4	HARM_P12_L4	43647	float	W
Active power 13.harmonic L1	HARM_P13_L1	43649	float	W
Active power 13.harmonic L2	HARM_P13_L2	43651	float	W
Active power 13.harmonic L3	HARM_P13_L3	43653	float	W
Active power 13.harmonic L4	HARM_P13_L4	43655	float	W
Active power 14.harmonic L1	HARM_P14_L1	43657	float	W
Active power 14.harmonic L2	HARM_P14_L2	43659	float	W
Active power 14.harmonic L3	HARM_P14_L3	43661	float	W
Active power 14.harmonic L4	HARM_P14_L4	43663	float	W
Active power 15.harmonic L1	HARM_P15_L1	43665	float	W
Active power 15.harmonic L2	HARM_P15_L2	43667	float	W
Active power 15.harmonic L3	HARM_P15_L3	43669	float	W
Active power 15.harmonic L4	HARM_P15_L4	43671	float	W
Active power 16.harmonic L1	HARM_P16_L1	43673	float	W
Active power 16.harmonic L2	HARM_P16_L2	43675	float	W
Active power 16.harmonic L3	HARM_P16_L3	43677	float	W
Active power 16.harmonic L4	HARM_P16_L4	43679	float	W
Active power 17.harmonic L1	HARM_P17_L1	43681	float	W
Active power 17.harmonic L2	HARM_P17_L2	43683	float	W
Active power 17.harmonic L3	HARM_P17_L3	43685	float	W
Active power 17.harmonic L4	HARM_P17_L4	43687	float	W
Active power 18.harmonic L1	HARM_P18_L1	43689	float	W
Active power 18.harmonic L2	HARM_P18_L2	43691	float	W
Active power 18.harmonic L3	HARM_P18_L3	43693	float	W

Active power harmonics				
DESCRIPTION	NAME	ADDRESS	TYPE	UNIT
Active power 18.harmonic L4	HARM_P18_L4	43695	float	W
Active power 19.harmonic L1	HARM_P19_L1	43697	float	W
Active power 19.harmonic L2	HARM_P19_L2	43699	float	W
Active power 19.harmonic L3	HARM_P19_L3	43701	float	W
Active power 19.harmonic L4	HARM_P19_L4	43703	float	W
Active power 20.harmonic L1	HARM_P20_L1	43705	float	W
Active power 20.harmonic L2	HARM_P20_L2	43707	float	W
Active power 20.harmonic L3	HARM_P20_L3	43709	float	W
Active power 20.harmonic L4	HARM_P20_L4	43711	float	W
Active power 21.harmonic L1	HARM_P21_L1	43713	float	W
Active power 21.harmonic L2	HARM_P21_L2	43715	float	W
Active power 21.harmonic L3	HARM_P21_L3	43717	float	W
Active power 21.harmonic L4	HARM_P21_L4	43719	float	W
Active power 22.harmonic L1	HARM_P22_L1	43721	float	W
Active power 22.harmonic L2	HARM_P22_L2	43723	float	W
Active power 22.harmonic L3	HARM_P22_L3	43725	float	W
Active power 22.harmonic L4	HARM_P22_L4	43727	float	W
Active power 23.harmonic L1	HARM_P23_L1	43729	float	W
Active power 23.harmonic L2	HARM_P23_L2	43731	float	W
Active power 23.harmonic L3	HARM_P23_L3	43733	float	W
Active power 23.harmonic L4	HARM_P23_L4	43735	float	W
Active power 24.harmonic L1	HARM_P24_L1	43737	float	W
Active power 24.harmonic L2	HARM_P24_L2	43739	float	W
Active power 24.harmonic L3	HARM_P24_L3	43741	float	W
Active power 24.harmonic L4	HARM_P24_L4	43743	float	W
Active power 25.harmonic L1	HARM_P25_L1	43745	float	W
Active power 25.harmonic L2	HARM_P25_L2	43747	float	W
Active power 25.harmonic L3	HARM_P25_L3	43749	float	W
Active power 25.harmonic L4	HARM_P25_L4	43751	float	W
Active power 26.harmonic L1	HARM_P26_L1	43753	float	W
Active power 26.harmonic L2	HARM_P26_L2	43755	float	W
Active power 26.harmonic L3	HARM_P26_L3	43757	float	W
Active power 26.harmonic L4	HARM_P26_L4	43759	float	W
Active power 27.harmonic L1	HARM_P27_L1	43761	float	W
Active power 27.harmonic L2	HARM_P27_L2	43763	float	W
Active power 27.harmonic L3	HARM_P27_L3	43765	float	W
Active power 27.harmonic L4	HARM_P27_L4	43767	float	W
Active power 28.harmonic L1	HARM_P28_L1	43769	float	W
Active power 28.harmonic L2	HARM_P28_L2	43771	float	W
Active power 28.harmonic L3	HARM_P28_L3	43773	float	W
Active power 28.harmonic L4	HARM_P28_L4	43775	float	W
Active power 29.harmonic L1	HARM_P29_L1	43777	float	W
Active power 29.harmonic L2	HARM_P29_L2	43779	float	W
Active power 29.harmonic L3	HARM_P29_L3	43781	float	W
Active power 29.harmonic L4	HARM_P29_L4	43783	float	W
Active power 30.harmonic L1	HARM_P30_L1	43785	float	W
Active power 30.harmonic L2	HARM_P30_L2	43787	float	W
Active power 30.harmonic L3	HARM_P30_L3	43789	float	W
Active power 30.harmonic L4	HARM_P30_L4	43791	float	W
Active power 31.harmonic L1	HARM_P31_L1	43793	float	W
Active power 31.harmonic L2	HARM_P31_L2	43795	float	W
Active power 31.harmonic L3	HARM_P31_L3	43797	float	W
Active power 31.harmonic L4	HARM_P31_L4	43799	float	W
Active power 32.harmonic L1	HARM_P32_L1	43801	float	W
Active power 32.harmonic L2	HARM_P32_L2	43803	float	W
Active power 32.harmonic L3	HARM_P32_L3	43805	float	W
Active power 32.harmonic L4	HARM_P32_L4	43807	float	W
Active power 33.harmonic L1	HARM_P33_L1	43809	float	W
Active power 33.harmonic L2	HARM_P33_L2	43811	float	W
Active power 33.harmonic L3	HARM_P33_L3	43813	float	W
Active power 33.harmonic L4	HARM_P33_L4	43815	float	W
Active power 34.harmonic L1	HARM_P34_L1	43817	float	W
Active power 34.harmonic L2	HARM_P34_L2	43819	float	W
Active power 34.harmonic L3	HARM_P34_L3	43821	float	W
Active power 34.harmonic L4	HARM_P34_L4	43823	float	W
Active power 35.harmonic L1	HARM_P35_L1	43825	float	W
Active power 35.harmonic L2	HARM_P35_L2	43827	float	W
Active power 35.harmonic L3	HARM_P35_L3	43829	float	W
Active power 35.harmonic L4	HARM_P35_L4	43831	float	W
Active power 36.harmonic L1	HARM_P36_L1	43833	float	W
Active power 36.harmonic L2	HARM_P36_L2	43835	float	W

Active power harmonics				
DESCRIPTION	NAME	ADDRESS	TYPE	UNIT
Active power 36.harmonic L3	HARM_P36_L3	43837	float	W
Active power 36.harmonic L4	HARM_P36_L4	43839	float	W
Active power 37.harmonic L1	HARM_P37_L1	43841	float	W
Active power 37.harmonic L2	HARM_P37_L2	43843	float	W
Active power 37.harmonic L3	HARM_P37_L3	43845	float	W
Active power 37.harmonic L4	HARM_P37_L4	43847	float	W
Active power 38.harmonic L1	HARM_P38_L1	43849	float	W
Active power 38.harmonic L2	HARM_P38_L2	43851	float	W
Active power 38.harmonic L3	HARM_P38_L3	43853	float	W
Active power 38.harmonic L4	HARM_P38_L4	43855	float	W
Active power 39.harmonic L1	HARM_P39_L1	43857	float	W
Active power 39.harmonic L2	HARM_P39_L2	43859	float	W
Active power 39.harmonic L3	HARM_P39_L3	43861	float	W
Active power 39.harmonic L4	HARM_P39_L4	43863	float	W
Active power 40.harmonic L1	HARM_P40_L1	43865	float	W
Active power 40.harmonic L2	HARM_P40_L2	43867	float	W
Active power 40.harmonic L3	HARM_P40_L3	43869	float	W
Active power 40.harmonic L4	HARM_P40_L4	43871	float	W
Active power 41.harmonic L1	HARM_P41_L1	43873	float	W
Active power 41.harmonic L2	HARM_P41_L2	43875	float	W
Active power 41.harmonic L3	HARM_P41_L3	43877	float	W
Active power 41.harmonic L4	HARM_P41_L4	43879	float	W
Active power 42.harmonic L1	HARM_P42_L1	43881	float	W
Active power 42.harmonic L2	HARM_P42_L2	43883	float	W
Active power 42.harmonic L3	HARM_P42_L3	43885	float	W
Active power 42.harmonic L4	HARM_P42_L4	43887	float	W
Active power 43.harmonic L1	HARM_P43_L1	43889	float	W
Active power 43.harmonic L2	HARM_P43_L2	43891	float	W
Active power 43.harmonic L3	HARM_P43_L3	43893	float	W
Active power 43.harmonic L4	HARM_P43_L4	43895	float	W
Active power 44.harmonic L1	HARM_P44_L1	43897	float	W
Active power 44.harmonic L2	HARM_P44_L2	43899	float	W
Active power 44.harmonic L3	HARM_P44_L3	43901	float	W
Active power 44.harmonic L4	HARM_P44_L4	43903	float	W
Active power 45.harmonic L1	HARM_P45_L1	43905	float	W
Active power 45.harmonic L2	HARM_P45_L2	43907	float	W
Active power 45.harmonic L3	HARM_P45_L3	43909	float	W
Active power 45.harmonic L4	HARM_P45_L4	43911	float	W
Active power 46.harmonic L1	HARM_P46_L1	43913	float	W
Active power 46.harmonic L2	HARM_P46_L2	43915	float	W
Active power 46.harmonic L3	HARM_P46_L3	43917	float	W
Active power 46.harmonic L4	HARM_P46_L4	43919	float	W
Active power 47.harmonic L1	HARM_P47_L1	43921	float	W
Active power 47.harmonic L2	HARM_P47_L2	43923	float	W
Active power 47.harmonic L3	HARM_P47_L3	43925	float	W
Active power 47.harmonic L4	HARM_P47_L4	43927	float	W
Active power 48.harmonic L1	HARM_P48_L1	43929	float	W
Active power 48.harmonic L2	HARM_P48_L2	43931	float	W
Active power 48.harmonic L3	HARM_P48_L3	43933	float	W
Active power 48.harmonic L4	HARM_P48_L4	43935	float	W
Active power 49.harmonic L1	HARM_P49_L1	43937	float	W
Active power 49.harmonic L2	HARM_P49_L2	43939	float	W
Active power 49.harmonic L3	HARM_P49_L3	43941	float	W
Active power 49.harmonic L4	HARM_P49_L4	43943	float	W
Active power 50.harmonic L1	HARM_P50_L1	43945	float	W
Active power 50.harmonic L2	HARM_P50_L2	43947	float	W
Active power 50.harmonic L3	HARM_P50_L3	43949	float	W
Active power 50.harmonic L4	HARM_P50_L4	43951	float	W
Active power 51.harmonic L1	HARM_P51_L1	43953	float	W
Active power 51.harmonic L2	HARM_P51_L2	43955	float	W
Active power 51.harmonic L3	HARM_P51_L3	43957	float	W
Active power 51.harmonic L4	HARM_P51_L4	43959	float	W
Active power 52.harmonic L1	HARM_P52_L1	43961	float	W
Active power 52.harmonic L2	HARM_P52_L2	43963	float	W
Active power 52.harmonic L3	HARM_P52_L3	43965	float	W
Active power 52.harmonic L4	HARM_P52_L4	43967	float	W
Active power 53.harmonic L1	HARM_P53_L1	43969	float	W
Active power 53.harmonic L2	HARM_P53_L2	43971	float	W
Active power 53.harmonic L3	HARM_P53_L3	43973	float	W
Active power 53.harmonic L4	HARM_P53_L4	43975	float	W
Active power 54.harmonic L1	HARM_P54_L1	43977	float	W

Active power harmonics				
DESCRIPTION	NAME	ADDRESS	TYPE	UNIT
Active power 54.harmonic L2	HARM_P54_L2	43979	float	W
Active power 54.harmonic L3	HARM_P54_L3	43981	float	W
Active power 54.harmonic L4	HARM_P54_L4	43983	float	W
Active power 55.harmonic L1	HARM_P55_L1	43985	float	W
Active power 55.harmonic L2	HARM_P55_L2	43987	float	W
Active power 55.harmonic L3	HARM_P55_L3	43989	float	W
Active power 55.harmonic L4	HARM_P55_L4	43991	float	W
Active power 56.harmonic L1	HARM_P56_L1	43993	float	W
Active power 56.harmonic L2	HARM_P56_L2	43995	float	W
Active power 56.harmonic L3	HARM_P56_L3	43997	float	W
Active power 56.harmonic L4	HARM_P56_L4	43999	float	W
Active power 57.harmonic L1	HARM_P57_L1	44001	float	W
Active power 57.harmonic L2	HARM_P57_L2	44003	float	W
Active power 57.harmonic L3	HARM_P57_L3	44005	float	W
Active power 57.harmonic L4	HARM_P57_L4	44007	float	W
Active power 58.harmonic L1	HARM_P58_L1	44009	float	W
Active power 58.harmonic L2	HARM_P58_L2	44011	float	W
Active power 58.harmonic L3	HARM_P58_L3	44013	float	W
Active power 58.harmonic L4	HARM_P58_L4	44015	float	W
Active power 59.harmonic L1	HARM_P59_L1	44017	float	W
Active power 59.harmonic L2	HARM_P59_L2	44019	float	W
Active power 59.harmonic L3	HARM_P59_L3	44021	float	W
Active power 59.harmonic L4	HARM_P59_L4	44023	float	W
Active power 60.harmonic L1	HARM_P60_L1	44025	float	W
Active power 60.harmonic L2	HARM_P60_L2	44027	float	W
Active power 60.harmonic L3	HARM_P60_L3	44029	float	W
Active power 60.harmonic L4	HARM_P60_L4	44031	float	W
Active power 61.harmonic L1	HARM_P61_L1	44033	float	W
Active power 61.harmonic L2	HARM_P61_L2	44035	float	W
Active power 61.harmonic L3	HARM_P61_L3	44037	float	W
Active power 61.harmonic L4	HARM_P61_L4	44039	float	W
Active power 62.harmonic L1	HARM_P62_L1	44041	float	W
Active power 62.harmonic L2	HARM_P62_L2	44043	float	W
Active power 62.harmonic L3	HARM_P62_L3	44045	float	W
Active power 62.harmonic L4	HARM_P62_L4	44047	float	W
Active power 63.harmonic L1	HARM_P63_L1	44049	float	W
Active power 63.harmonic L2	HARM_P63_L2	44051	float	W
Active power 63.harmonic L3	HARM_P63_L3	44053	float	W
Active power 63.harmonic L4	HARM_P63_L4	44055	float	W
Active power 64.harmonic L1	HARM_P64_L1	44057	float	W
Active power 64.harmonic L2	HARM_P64_L2	44059	float	W
Active power 64.harmonic L3	HARM_P64_L3	44061	float	W
Active power 64.harmonic L4	HARM_P64_L4	44063	float	W

Reactive power harmonics				
DESCRIPTION	NAME	ADDRESS	TYPE	UNIT
Reactive power 1.harmonic L1	HARM_Q1_L1	44065	float	var
Reactive power 1.harmonic L2	HARM_Q1_L2	44067	float	var
Reactive power 1.harmonic L3	HARM_Q1_L3	44069	float	var
Reactive power 1.harmonic L4	HARM_Q1_L4	44071	float	var
Reactive power 2.harmonic L1	HARM_Q2_L1	44073	float	var
Reactive power 2.harmonic L2	HARM_Q2_L2	44075	float	var
Reactive power 2.harmonic L3	HARM_Q2_L3	44077	float	var
Reactive power 2.harmonic L4	HARM_Q2_L4	44079	float	var
Reactive power 3.harmonic L1	HARM_Q3_L1	44081	float	var
Reactive power 3.harmonic L2	HARM_Q3_L2	44083	float	var
Reactive power 3.harmonic L3	HARM_Q3_L3	44085	float	var
Reactive power 3.harmonic L4	HARM_Q3_L4	44087	float	var
Reactive power 4.harmonic L1	HARM_Q4_L1	44089	float	var
Reactive power 4.harmonic L2	HARM_Q4_L2	44091	float	var
Reactive power 4.harmonic L3	HARM_Q4_L3	44093	float	var
Reactive power 4.harmonic L4	HARM_Q4_L4	44095	float	var
Reactive power 5.harmonic L1	HARM_Q5_L1	44097	float	var
Reactive power 5.harmonic L2	HARM_Q5_L2	44099	float	var
Reactive power 5.harmonic L3	HARM_Q5_L3	44101	float	var
Reactive power 5.harmonic L4	HARM_Q5_L4	44103	float	var
Reactive power 6.harmonic L1	HARM_Q6_L1	44105	float	var
Reactive power 6.harmonic L2	HARM_Q6_L2	44107	float	var
Reactive power 6.harmonic L3	HARM_Q6_L3	44109	float	var
Reactive power 6.harmonic L4	HARM_Q6_L4	44111	float	var
Reactive power 7.harmonic L1	HARM_Q7_L1	44113	float	var
Reactive power 7.harmonic L2	HARM_Q7_L2	44115	float	var
Reactive power 7.harmonic L3	HARM_Q7_L3	44117	float	var
Reactive power 7.harmonic L4	HARM_Q7_L4	44119	float	var
Reactive power 8.harmonic L1	HARM_Q8_L1	44121	float	var
Reactive power 8.harmonic L2	HARM_Q8_L2	44123	float	var
Reactive power 8.harmonic L3	HARM_Q8_L3	44125	float	var
Reactive power 8.harmonic L4	HARM_Q8_L4	44127	float	var
Reactive power 9.harmonic L1	HARM_Q9_L1	44129	float	var
Reactive power 9.harmonic L2	HARM_Q9_L2	44131	float	var
Reactive power 9.harmonic L3	HARM_Q9_L3	44133	float	var
Reactive power 9.harmonic L4	HARM_Q9_L4	44135	float	var
Reactive power 10.harmonic L1	HARM_Q10_L1	44137	float	var
Reactive power 10.harmonic L2	HARM_Q10_L2	44139	float	var
Reactive power 10.harmonic L3	HARM_Q10_L3	44141	float	var
Reactive power 10.harmonic L4	HARM_Q10_L4	44143	float	var
Reactive power 11.harmonic L1	HARM_Q11_L1	44145	float	var
Reactive power 11.harmonic L2	HARM_Q11_L2	44147	float	var
Reactive power 11.harmonic L3	HARM_Q11_L3	44149	float	var
Reactive power 11.harmonic L4	HARM_Q11_L4	44151	float	var
Reactive power 12.harmonic L1	HARM_Q12_L1	44153	float	var
Reactive power 12.harmonic L2	HARM_Q12_L2	44155	float	var
Reactive power 12.harmonic L3	HARM_Q12_L3	44157	float	var
Reactive power 12.harmonic L4	HARM_Q12_L4	44159	float	var
Reactive power 13.harmonic L1	HARM_Q13_L1	44161	float	var
Reactive power 13.harmonic L2	HARM_Q13_L2	44163	float	var
Reactive power 13.harmonic L3	HARM_Q13_L3	44165	float	var
Reactive power 13.harmonic L4	HARM_Q13_L4	44167	float	var
Reactive power 14.harmonic L1	HARM_Q14_L1	44169	float	var
Reactive power 14.harmonic L2	HARM_Q14_L2	44171	float	var
Reactive power 14.harmonic L3	HARM_Q14_L3	44173	float	var
Reactive power 14.harmonic L4	HARM_Q14_L4	44175	float	var
Reactive power 15.harmonic L1	HARM_Q15_L1	44177	float	var
Reactive power 15.harmonic L2	HARM_Q15_L2	44179	float	var
Reactive power 15.harmonic L3	HARM_Q15_L3	44181	float	var
Reactive power 15.harmonic L4	HARM_Q15_L4	44183	float	var
Reactive power 16.harmonic L1	HARM_Q16_L1	44185	float	var
Reactive power 16.harmonic L2	HARM_Q16_L2	44187	float	var
Reactive power 16.harmonic L3	HARM_Q16_L3	44189	float	var
Reactive power 16.harmonic L4	HARM_Q16_L4	44191	float	var
Reactive power 17.harmonic L1	HARM_Q17_L1	44193	float	var
Reactive power 17.harmonic L2	HARM_Q17_L2	44195	float	var
Reactive power 17.harmonic L3	HARM_Q17_L3	44197	float	var
Reactive power 17.harmonic L4	HARM_Q17_L4	44199	float	var
Reactive power 18.harmonic L1	HARM_Q18_L1	44201	float	var
Reactive power 18.harmonic L2	HARM_Q18_L2	44203	float	var
Reactive power 18.harmonic L3	HARM_Q18_L3	44205	float	var

Reactive power harmonics				
DESCRIPTION	NAME	ADDRESS	TYPE	UNIT
Reactive power 18.harmonic L4	HARM_Q18_L4	44207	float	var
Reactive power 19.harmonic L1	HARM_Q19_L1	44209	float	var
Reactive power 19.harmonic L2	HARM_Q19_L2	44211	float	var
Reactive power 19.harmonic L3	HARM_Q19_L3	44213	float	var
Reactive power 19.harmonic L4	HARM_Q19_L4	44215	float	var
Reactive power 20.harmonic L1	HARM_Q20_L1	44217	float	var
Reactive power 20.harmonic L2	HARM_Q20_L2	44219	float	var
Reactive power 20.harmonic L3	HARM_Q20_L3	44221	float	var
Reactive power 20.harmonic L4	HARM_Q20_L4	44223	float	var
Reactive power 21.harmonic L1	HARM_Q21_L1	44225	float	var
Reactive power 21.harmonic L2	HARM_Q21_L2	44227	float	var
Reactive power 21.harmonic L3	HARM_Q21_L3	44229	float	var
Reactive power 21.harmonic L4	HARM_Q21_L4	44231	float	var
Reactive power 22.harmonic L1	HARM_Q22_L1	44233	float	var
Reactive power 22.harmonic L2	HARM_Q22_L2	44235	float	var
Reactive power 22.harmonic L3	HARM_Q22_L3	44237	float	var
Reactive power 22.harmonic L4	HARM_Q22_L4	44239	float	var
Reactive power 23.harmonic L1	HARM_Q23_L1	44241	float	var
Reactive power 23.harmonic L2	HARM_Q23_L2	44243	float	var
Reactive power 23.harmonic L3	HARM_Q23_L3	44245	float	var
Reactive power 23.harmonic L4	HARM_Q23_L4	44247	float	var
Reactive power 24.harmonic L1	HARM_Q24_L1	44249	float	var
Reactive power 24.harmonic L2	HARM_Q24_L2	44251	float	var
Reactive power 24.harmonic L3	HARM_Q24_L3	44253	float	var
Reactive power 24.harmonic L4	HARM_Q24_L4	44255	float	var
Reactive power 25.harmonic L1	HARM_Q25_L1	44257	float	var
Reactive power 25.harmonic L2	HARM_Q25_L2	44259	float	var
Reactive power 25.harmonic L3	HARM_Q25_L3	44261	float	var
Reactive power 25.harmonic L4	HARM_Q25_L4	44263	float	var
Reactive power 26.harmonic L1	HARM_Q26_L1	44265	float	var
Reactive power 26.harmonic L2	HARM_Q26_L2	44267	float	var
Reactive power 26.harmonic L3	HARM_Q26_L3	44269	float	var
Reactive power 26.harmonic L4	HARM_Q26_L4	44271	float	var
Reactive power 27.harmonic L1	HARM_Q27_L1	44273	float	var
Reactive power 27.harmonic L2	HARM_Q27_L2	44275	float	var
Reactive power 27.harmonic L3	HARM_Q27_L3	44277	float	var
Reactive power 27.harmonic L4	HARM_Q27_L4	44279	float	var
Reactive power 28.harmonic L1	HARM_Q28_L1	44281	float	var
Reactive power 28.harmonic L2	HARM_Q28_L2	44283	float	var
Reactive power 28.harmonic L3	HARM_Q28_L3	44285	float	var
Reactive power 28.harmonic L4	HARM_Q28_L4	44287	float	var
Reactive power 29.harmonic L1	HARM_Q29_L1	44289	float	var
Reactive power 29.harmonic L2	HARM_Q29_L2	44291	float	var
Reactive power 29.harmonic L3	HARM_Q29_L3	44293	float	var
Reactive power 29.harmonic L4	HARM_Q29_L4	44295	float	var
Reactive power 30.harmonic L1	HARM_Q30_L1	44297	float	var
Reactive power 30.harmonic L2	HARM_Q30_L2	44299	float	var
Reactive power 30.harmonic L3	HARM_Q30_L3	44301	float	var
Reactive power 30.harmonic L4	HARM_Q30_L4	44303	float	var
Reactive power 31.harmonic L1	HARM_Q31_L1	44305	float	var
Reactive power 31.harmonic L2	HARM_Q31_L2	44307	float	var
Reactive power 31.harmonic L3	HARM_Q31_L3	44309	float	var
Reactive power 31.harmonic L4	HARM_Q31_L4	44311	float	var
Reactive power 32.harmonic L1	HARM_Q32_L1	44313	float	var
Reactive power 32.harmonic L2	HARM_Q32_L2	44315	float	var
Reactive power 32.harmonic L3	HARM_Q32_L3	44317	float	var
Reactive power 32.harmonic L4	HARM_Q32_L4	44319	float	var
Reactive power 33.harmonic L1	HARM_Q33_L1	44321	float	var
Reactive power 33.harmonic L2	HARM_Q33_L2	44323	float	var
Reactive power 33.harmonic L3	HARM_Q33_L3	44325	float	var
Reactive power 33.harmonic L4	HARM_Q33_L4	44327	float	var
Reactive power 34.harmonic L1	HARM_Q34_L1	44329	float	var
Reactive power 34.harmonic L2	HARM_Q34_L2	44331	float	var
Reactive power 34.harmonic L3	HARM_Q34_L3	44333	float	var
Reactive power 34.harmonic L4	HARM_Q34_L4	44335	float	var
Reactive power 35.harmonic L1	HARM_Q35_L1	44337	float	var
Reactive power 35.harmonic L2	HARM_Q35_L2	44339	float	var
Reactive power 35.harmonic L3	HARM_Q35_L3	44341	float	var
Reactive power 35.harmonic L4	HARM_Q35_L4	44343	float	var
Reactive power 36.harmonic L1	HARM_Q36_L1	44345	float	var
Reactive power 36.harmonic L2	HARM_Q36_L2	44347	float	var

Reactive power harmonics				
DESCRIPTION	NAME	ADDRESS	TYPE	UNIT
Reactive power 36.harmonic L3	HARM_Q36_L3	44349	float	var
Reactive power 36.harmonic L4	HARM_Q36_L4	44351	float	var
Reactive power 37.harmonic L1	HARM_Q37_L1	44353	float	var
Reactive power 37.harmonic L2	HARM_Q37_L2	44355	float	var
Reactive power 37.harmonic L3	HARM_Q37_L3	44357	float	var
Reactive power 37.harmonic L4	HARM_Q37_L4	44359	float	var
Reactive power 38.harmonic L1	HARM_Q38_L1	44361	float	var
Reactive power 38.harmonic L2	HARM_Q38_L2	44363	float	var
Reactive power 38.harmonic L3	HARM_Q38_L3	44365	float	var
Reactive power 38.harmonic L4	HARM_Q38_L4	44367	float	var
Reactive power 39.harmonic L1	HARM_Q39_L1	44369	float	var
Reactive power 39.harmonic L2	HARM_Q39_L2	44371	float	var
Reactive power 39.harmonic L3	HARM_Q39_L3	44373	float	var
Reactive power 39.harmonic L4	HARM_Q39_L4	44375	float	var
Reactive power 40.harmonic L1	HARM_Q40_L1	44377	float	var
Reactive power 40.harmonic L2	HARM_Q40_L2	44379	float	var
Reactive power 40.harmonic L3	HARM_Q40_L3	44381	float	var
Reactive power 40.harmonic L4	HARM_Q40_L4	44383	float	var
Reactive power 41.harmonic L1	HARM_Q41_L1	44385	float	var
Reactive power 41.harmonic L2	HARM_Q41_L2	44387	float	var
Reactive power 41.harmonic L3	HARM_Q41_L3	44389	float	var
Reactive power 41.harmonic L4	HARM_Q41_L4	44391	float	var
Reactive power 42.harmonic L1	HARM_Q42_L1	44393	float	var
Reactive power 42.harmonic L2	HARM_Q42_L2	44395	float	var
Reactive power 42.harmonic L3	HARM_Q42_L3	44397	float	var
Reactive power 42.harmonic L4	HARM_Q42_L4	44399	float	var
Reactive power 43.harmonic L1	HARM_Q43_L1	44401	float	var
Reactive power 43.harmonic L2	HARM_Q43_L2	44403	float	var
Reactive power 43.harmonic L3	HARM_Q43_L3	44405	float	var
Reactive power 43.harmonic L4	HARM_Q43_L4	44407	float	var
Reactive power 44.harmonic L1	HARM_Q44_L1	44409	float	var
Reactive power 44.harmonic L2	HARM_Q44_L2	44411	float	var
Reactive power 44.harmonic L3	HARM_Q44_L3	44413	float	var
Reactive power 44.harmonic L4	HARM_Q44_L4	44415	float	var
Reactive power 45.harmonic L1	HARM_Q45_L1	44417	float	var
Reactive power 45.harmonic L2	HARM_Q45_L2	44419	float	var
Reactive power 45.harmonic L3	HARM_Q45_L3	44421	float	var
Reactive power 45.harmonic L4	HARM_Q45_L4	44423	float	var
Reactive power 46.harmonic L1	HARM_Q46_L1	44425	float	var
Reactive power 46.harmonic L2	HARM_Q46_L2	44427	float	var
Reactive power 46.harmonic L3	HARM_Q46_L3	44429	float	var
Reactive power 46.harmonic L4	HARM_Q46_L4	44431	float	var
Reactive power 47.harmonic L1	HARM_Q47_L1	44433	float	var
Reactive power 47.harmonic L2	HARM_Q47_L2	44435	float	var
Reactive power 47.harmonic L3	HARM_Q47_L3	44437	float	var
Reactive power 47.harmonic L4	HARM_Q47_L4	44439	float	var
Reactive power 48.harmonic L1	HARM_Q48_L1	44441	float	var
Reactive power 48.harmonic L2	HARM_Q48_L2	44443	float	var
Reactive power 48.harmonic L3	HARM_Q48_L3	44445	float	var
Reactive power 48.harmonic L4	HARM_Q48_L4	44447	float	var
Reactive power 49.harmonic L1	HARM_Q49_L1	44449	float	var
Reactive power 49.harmonic L2	HARM_Q49_L2	44451	float	var
Reactive power 49.harmonic L3	HARM_Q49_L3	44453	float	var
Reactive power 49.harmonic L4	HARM_Q49_L4	44455	float	var
Reactive power 50.harmonic L1	HARM_Q50_L1	44457	float	var
Reactive power 50.harmonic L2	HARM_Q50_L2	44459	float	var
Reactive power 50.harmonic L3	HARM_Q50_L3	44461	float	var
Reactive power 50.harmonic L4	HARM_Q50_L4	44463	float	var
Reactive power 51.harmonic L1	HARM_Q51_L1	44465	float	var
Reactive power 51.harmonic L2	HARM_Q51_L2	44467	float	var
Reactive power 51.harmonic L3	HARM_Q51_L3	44469	float	var
Reactive power 51.harmonic L4	HARM_Q51_L4	44471	float	var
Reactive power 52.harmonic L1	HARM_Q52_L1	44473	float	var
Reactive power 52.harmonic L2	HARM_Q52_L2	44475	float	var
Reactive power 52.harmonic L3	HARM_Q52_L3	44477	float	var
Reactive power 52.harmonic L4	HARM_Q52_L4	44479	float	var
Reactive power 53.harmonic L1	HARM_Q53_L1	44481	float	var
Reactive power 53.harmonic L2	HARM_Q53_L2	44483	float	var
Reactive power 53.harmonic L3	HARM_Q53_L3	44485	float	var
Reactive power 53.harmonic L4	HARM_Q53_L4	44487	float	var
Reactive power 54.harmonic L1	HARM_Q54_L1	44489	float	var

Reactive power harmonics				
DESCRIPTION	NAME	ADDRESS	TYPE	UNIT
Reactive power 54.harmonic L2	HARM_Q54_L2	44491	float	var
Reactive power 54.harmonic L3	HARM_Q54_L3	44493	float	var
Reactive power 54.harmonic L4	HARM_Q54_L4	44495	float	var
Reactive power 55.harmonic L1	HARM_Q55_L1	44497	float	var
Reactive power 55.harmonic L2	HARM_Q55_L2	44499	float	var
Reactive power 55.harmonic L3	HARM_Q55_L3	44501	float	var
Reactive power 55.harmonic L4	HARM_Q55_L4	44503	float	var
Reactive power 56.harmonic L1	HARM_Q56_L1	44505	float	var
Reactive power 56.harmonic L2	HARM_Q56_L2	44507	float	var
Reactive power 56.harmonic L3	HARM_Q56_L3	44509	float	var
Reactive power 56.harmonic L4	HARM_Q56_L4	44511	float	var
Reactive power 57.harmonic L1	HARM_Q57_L1	44513	float	var
Reactive power 57.harmonic L2	HARM_Q57_L2	44515	float	var
Reactive power 57.harmonic L3	HARM_Q57_L3	44517	float	var
Reactive power 57.harmonic L4	HARM_Q57_L4	44519	float	var
Reactive power 58.harmonic L1	HARM_Q58_L1	44521	float	var
Reactive power 58.harmonic L2	HARM_Q58_L2	44523	float	var
Reactive power 58.harmonic L3	HARM_Q58_L3	44525	float	var
Reactive power 58.harmonic L4	HARM_Q58_L4	44527	float	var
Reactive power 59.harmonic L1	HARM_Q59_L1	44529	float	var
Reactive power 59.harmonic L2	HARM_Q59_L2	44531	float	var
Reactive power 59.harmonic L3	HARM_Q59_L3	44533	float	var
Reactive power 59.harmonic L4	HARM_Q59_L4	44535	float	var
Reactive power 60.harmonic L1	HARM_Q60_L1	44537	float	var
Reactive power 60.harmonic L2	HARM_Q60_L2	44539	float	var
Reactive power 60.harmonic L3	HARM_Q60_L3	44541	float	var
Reactive power 60.harmonic L4	HARM_Q60_L4	44543	float	var
Reactive power 61.harmonic L1	HARM_Q61_L1	44545	float	var
Reactive power 61.harmonic L2	HARM_Q61_L2	44547	float	var
Reactive power 61.harmonic L3	HARM_Q61_L3	44549	float	var
Reactive power 61.harmonic L4	HARM_Q61_L4	44551	float	var
Reactive power 62.harmonic L1	HARM_Q62_L1	44553	float	var
Reactive power 62.harmonic L2	HARM_Q62_L2	44555	float	var
Reactive power 62.harmonic L3	HARM_Q62_L3	44557	float	var
Reactive power 62.harmonic L4	HARM_Q62_L4	44559	float	var
Reactive power 63.harmonic L1	HARM_Q63_L1	44561	float	var
Reactive power 63.harmonic L2	HARM_Q63_L2	44563	float	var
Reactive power 63.harmonic L3	HARM_Q63_L3	44565	float	var
Reactive power 63.harmonic L4	HARM_Q63_L4	44567	float	var
Reactive power 64.harmonic L1	HARM_Q64_L1	44569	float	var
Reactive power 64.harmonic L2	HARM_Q64_L2	44571	float	var
Reactive power 64.harmonic L3	HARM_Q64_L3	44573	float	var
Reactive power 64.harmonic L4	HARM_Q64_L4	44575	float	var

Line voltage harmonics				
DESCRIPTION	NAME	ADDRESS	TYPE	UNIT
Voltage 1.harmonic L1 – L2	HARM_U1_L1_L2	44577	float	V
Voltage 1.harmonic L2 – L3	HARM_U1_L2_L3	44579	float	V
Voltage 1.harmonic L3 – L1	HARM_U1_L3_L1	44581	float	V
	NULL	44583	float	
Voltage 2.harmonic L1 – L2	HARM_U2_L1_L2	44585	float	V
Voltage 2.harmonic L2 – L3	HARM_U2_L2_L3	44587	float	V
Voltage 2.harmonic L3 – L1	HARM_U2_L3_L1	44589	float	V
	NULL	44591	float	
Voltage 3.harmonic L1 – L2	HARM_U3_L1_L2	44593	float	V
Voltage 3.harmonic L2 – L3	HARM_U3_L2_L3	44595	float	V
Voltage 3.harmonic L3 – L1	HARM_U3_L3_L1	44597	float	V
	NULL	44599	float	
Voltage 4.harmonic L1 – L2	HARM_U4_L1_L2	44601	float	V
Voltage 4.harmonic L2 – L3	HARM_U4_L2_L3	44603	float	V
Voltage 4.harmonic L3 – L1	HARM_U4_L3_L1	44605	float	V
	NULL	44607	float	
Voltage 5.harmonic L1 – L2	HARM_U5_L1_L2	44609	float	V
Voltage 5.harmonic L2 – L3	HARM_U5_L2_L3	44611	float	V
Voltage 5.harmonic L3 – L1	HARM_U5_L3_L1	44613	float	V
	NULL	44615	float	
Voltage 6.harmonic L1 – L2	HARM_U6_L1_L2	44617	float	V
Voltage 6.harmonic L2 – L3	HARM_U6_L2_L3	44619	float	V
Voltage 6.harmonic L3 – L1	HARM_U6_L3_L1	44621	float	V
	NULL	44623	float	
Voltage 7.harmonic L1 – L2	HARM_U7_L1_L2	44625	float	V
Voltage 7.harmonic L2 – L3	HARM_U7_L2_L3	44627	float	V
Voltage 7.harmonic L3 – L1	HARM_U7_L3_L1	44629	float	V
	NULL	44631	float	
Voltage 8.harmonic L1 – L2	HARM_U8_L1_L2	44633	float	V
Voltage 8.harmonic L2 – L3	HARM_U8_L2_L3	44635	float	V
Voltage 8.harmonic L3 – L1	HARM_U8_L3_L1	44637	float	V
	NULL	44639	float	
Voltage 9.harmonic L1 – L2	HARM_U9_L1_L2	44641	float	V
Voltage 9.harmonic L2 – L3	HARM_U9_L2_L3	44643	float	V
Voltage 9.harmonic L3 – L1	HARM_U9_L3_L1	44645	float	V
	NULL	44647	float	
Voltage 10.harmonic L1 – L2	HARM_U10_L1_L2	44649	float	V
Voltage 10.harmonic L2 – L3	HARM_U10_L2_L3	44651	float	V
Voltage 10.harmonic L3 – L1	HARM_U10_L3_L1	44653	float	V
	NULL	44655	float	
Voltage 11.harmonic L1 – L2	HARM_U11_L1_L2	44657	float	V
Voltage 11.harmonic L2 – L3	HARM_U11_L2_L3	44659	float	V
Voltage 11.harmonic L3 – L1	HARM_U11_L3_L1	44661	float	V
	NULL	44663	float	
Voltage 12.harmonic L1 – L2	HARM_U12_L1_L2	44665	float	V
Voltage 12.harmonic L2 – L3	HARM_U12_L2_L3	44667	float	V
Voltage 12.harmonic L3 – L1	HARM_U12_L3_L1	44669	float	V
	NULL	44671	float	
Voltage 13.harmonic L1 – L2	HARM_U13_L1_L2	44673	float	V
Voltage 13.harmonic L2 – L3	HARM_U13_L2_L3	44675	float	V
Voltage 13.harmonic L3 – L1	HARM_U13_L3_L1	44677	float	V
	NULL	44679	float	
Voltage 14.harmonic L1 – L2	HARM_U14_L1_L2	44681	float	V
Voltage 14.harmonic L2 – L3	HARM_U14_L2_L3	44683	float	V
Voltage 14.harmonic L3 – L1	HARM_U14_L3_L1	44685	float	V
	NULL	44687	float	
Voltage 15.harmonic L1 – L2	HARM_U15_L1_L2	44689	float	V
Voltage 15.harmonic L2 – L3	HARM_U15_L2_L3	44691	float	V
Voltage 15.harmonic L3 – L1	HARM_U15_L3_L1	44693	float	V
	NULL	44695	float	
Voltage 16.harmonic L1 – L2	HARM_U16_L1_L2	44697	float	V
Voltage 16.harmonic L2 – L3	HARM_U16_L2_L3	44699	float	V
Voltage 16.harmonic L3 – L1	HARM_U16_L3_L1	44701	float	V
	NULL	44703	float	
Voltage 17.harmonic L1 – L2	HARM_U17_L1_L2	44705	float	V
Voltage 17.harmonic L2 – L3	HARM_U17_L2_L3	44707	float	V
Voltage 17.harmonic L3 – L1	HARM_U17_L3_L1	44709	float	V
	NULL	44711	float	
Voltage 18.harmonic L1 – L2	HARM_U18_L1_L2	44713	float	V
Voltage 18.harmonic L2 – L3	HARM_U18_L2_L3	44715	float	V
Voltage 18.harmonic L3 – L1	HARM_U18_L3_L1	44717	float	V

Line voltage harmonics				
DESCRIPTION	NAME	ADDRESS	TYPE	UNIT
	NULL	44719	float	
Voltage 19.harmonic L1 – L2	HARM_U19_L1_L2	44721	float	V
Voltage 19.harmonic L2 – L3	HARM_U19_L2_L3	44723	float	V
Voltage 19.harmonic L3 – L1	HARM_U19_L3_L1	44725	float	V
	NULL	44727	float	
Voltage 20.harmonic L1 – L2	HARM_U20_L1_L2	44729	float	V
Voltage 20.harmonic L2 – L3	HARM_U20_L2_L3	44731	float	V
Voltage 20.harmonic L3 – L1	HARM_U20_L3_L1	44733	float	V
	NULL	44735	float	
Voltage 21.harmonic L1 – L2	HARM_U21_L1_L2	44737	float	V
Voltage 21.harmonic L2 – L3	HARM_U21_L2_L3	44739	float	V
Voltage 21.harmonic L3 – L1	HARM_U21_L3_L1	44741	float	V
	NULL	44743	float	
Voltage 22.harmonic L1 – L2	HARM_U22_L1_L2	44745	float	V
Voltage 22.harmonic L2 – L3	HARM_U22_L2_L3	44747	float	V
Voltage 22.harmonic L3 – L1	HARM_U22_L3_L1	44749	float	V
	NULL	44751	float	
Voltage 23.harmonic L1 – L2	HARM_U23_L1_L2	44753	float	V
Voltage 23.harmonic L2 – L3	HARM_U23_L2_L3	44755	float	V
Voltage 23.harmonic L3 – L1	HARM_U23_L3_L1	44757	float	V
	NULL	44759	float	
Voltage 24.harmonic L1 – L2	HARM_U24_L1_L2	44761	float	V
Voltage 24.harmonic L2 – L3	HARM_U24_L2_L3	44763	float	V
Voltage 24.harmonic L3 – L1	HARM_U24_L3_L1	44765	float	V
	NULL	44767	float	
Voltage 25.harmonic L1 – L2	HARM_U25_L1_L2	44769	float	V
Voltage 25.harmonic L2 – L3	HARM_U25_L2_L3	44771	float	V
Voltage 25.harmonic L3 – L1	HARM_U25_L3_L1	44773	float	V
	NULL	44775	float	
Voltage 26.harmonic L1 – L2	HARM_U26_L1_L2	44777	float	V
Voltage 26.harmonic L2 – L3	HARM_U26_L2_L3	44779	float	V
Voltage 26.harmonic L3 – L1	HARM_U26_L3_L1	44781	float	V
	NULL	44783	float	
Voltage 27.harmonic L1 – L2	HARM_U27_L1_L2	44785	float	V
Voltage 27.harmonic L2 – L3	HARM_U27_L2_L3	44787	float	V
Voltage 27.harmonic L3 – L1	HARM_U27_L3_L1	44789	float	V
	NULL	44791	float	
Voltage 28.harmonic L1 – L2	HARM_U28_L1_L2	44793	float	V
Voltage 28.harmonic L2 – L3	HARM_U28_L2_L3	44795	float	V
Voltage 28.harmonic L3 – L1	HARM_U28_L3_L1	44797	float	V
	NULL	44799	float	
Voltage 29.harmonic L1 – L2	HARM_U29_L1_L2	44801	float	V
Voltage 29.harmonic L2 – L3	HARM_U29_L2_L3	44803	float	V
Voltage 29.harmonic L3 – L1	HARM_U29_L3_L1	44805	float	V
	NULL	44807	float	
Voltage 30.harmonic L1 – L2	HARM_U30_L1_L2	44809	float	V
Voltage 30.harmonic L2 – L3	HARM_U30_L2_L3	44811	float	V
Voltage 30.harmonic L3 – L1	HARM_U30_L3_L1	44813	float	V
	NULL	44815	float	
Voltage 31.harmonic L1 – L2	HARM_U31_L1_L2	44817	float	V
Voltage 31.harmonic L2 – L3	HARM_U31_L2_L3	44819	float	V
Voltage 31.harmonic L3 – L1	HARM_U31_L3_L1	44821	float	V
	NULL	44823	float	
Voltage 32.harmonic L1 – L2	HARM_U32_L1_L2	44825	float	V
Voltage 32.harmonic L2 – L3	HARM_U32_L2_L3	44827	float	V
Voltage 32.harmonic L3 – L1	HARM_U32_L3_L1	44829	float	V
	NULL	44831	float	
Voltage 33.harmonic L1 – L2	HARM_U33_L1_L2	44833	float	V
Voltage 33.harmonic L2 – L3	HARM_U33_L2_L3	44835	float	V
Voltage 33.harmonic L3 – L1	HARM_U33_L3_L1	44837	float	V
	NULL	44839	float	
Voltage 34.harmonic L1 – L2	HARM_U34_L1_L2	44841	float	V
Voltage 34.harmonic L2 – L3	HARM_U34_L2_L3	44843	float	V
Voltage 34.harmonic L3 – L1	HARM_U34_L3_L1	44845	float	V
	NULL	44847	float	
Voltage 35.harmonic L1 – L2	HARM_U35_L1_L2	44849	float	V
Voltage 35.harmonic L2 – L3	HARM_U35_L2_L3	44851	float	V
Voltage 35.harmonic L3 – L1	HARM_U35_L3_L1	44853	float	V
	NULL	44855	float	
Voltage 36.harmonic L1 – L2	HARM_U36_L1_L2	44857	float	V
Voltage 36.harmonic L2 – L3	HARM_U36_L2_L3	44859	float	V

Line voltage harmonics				
DESCRIPTION	NAME	ADDRESS	TYPE	UNIT
Voltage 36.harmonic L3 – L1	HARM_U36_L3_L1	44861	float	V
	NULL	44863	float	
Voltage 37.harmonic L1 – L2	HARM_U37_L1_L2	44865	float	V
Voltage 37.harmonic L2 – L3	HARM_U37_L2_L3	44867	float	V
Voltage 37.harmonic L3 – L1	HARM_U37_L3_L1	44869	float	V
	NULL	44871	float	
Voltage 38.harmonic L1 – L2	HARM_U38_L1_L2	44873	float	V
Voltage 38.harmonic L2 – L3	HARM_U38_L2_L3	44875	float	V
Voltage 38.harmonic L3 – L1	HARM_U38_L3_L1	44877	float	V
	NULL	44879	float	
Voltage 39.harmonic L1 – L2	HARM_U39_L1_L2	44881	float	V
Voltage 39.harmonic L2 – L3	HARM_U39_L2_L3	44883	float	V
Voltage 39.harmonic L3 – L1	HARM_U39_L3_L1	44885	float	V
	NULL	44887	float	
Voltage 40.harmonic L1 – L2	HARM_U40_L1_L2	44889	float	V
Voltage 40.harmonic L2 – L3	HARM_U40_L2_L3	44891	float	V
Voltage 40.harmonic L3 – L1	HARM_U40_L3_L1	44893	float	V
	NULL	44895	float	
Voltage 41.harmonic L1 – L2	HARM_U41_L1_L2	44897	float	V
Voltage 41.harmonic L2 – L3	HARM_U41_L2_L3	44899	float	V
Voltage 41.harmonic L3 – L1	HARM_U41_L3_L1	44901	float	V
	NULL	44903	float	
Voltage 42.harmonic L1 – L2	HARM_U42_L1_L2	44905	float	V
Voltage 42.harmonic L2 – L3	HARM_U42_L2_L3	44907	float	V
Voltage 42.harmonic L3 – L1	HARM_U42_L3_L1	44909	float	V
	NULL	44911	float	
Voltage 43.harmonic L1 – L2	HARM_U43_L1_L2	44913	float	V
Voltage 43.harmonic L2 – L3	HARM_U43_L2_L3	44915	float	V
Voltage 43.harmonic L3 – L1	HARM_U43_L3_L1	44917	float	V
	NULL	44919	float	
Voltage 44.harmonic L1 – L2	HARM_U44_L1_L2	44921	float	V
Voltage 44.harmonic L2 – L3	HARM_U44_L2_L3	44923	float	V
Voltage 44.harmonic L3 – L1	HARM_U44_L3_L1	44925	float	V
	NULL	44927	float	
Voltage 45.harmonic L1 – L2	HARM_U45_L1_L2	44929	float	V
Voltage 45.harmonic L2 – L3	HARM_U45_L2_L3	44931	float	V
Voltage 45.harmonic L3 – L1	HARM_U45_L3_L1	44933	float	V
	NULL	44935	float	
Voltage 46.harmonic L1 – L2	HARM_U46_L1_L2	44937	float	V
Voltage 46.harmonic L2 – L3	HARM_U46_L2_L3	44939	float	V
Voltage 46.harmonic L3 – L1	HARM_U46_L3_L1	44941	float	V
	NULL	44943	float	
Voltage 47.harmonic L1 – L2	HARM_U47_L1_L2	44945	float	V
Voltage 47.harmonic L2 – L3	HARM_U47_L2_L3	44947	float	V
Voltage 47.harmonic L3 – L1	HARM_U47_L3_L1	44949	float	V
	NULL	44951	float	
Voltage 48.harmonic L1 – L2	HARM_U48_L1_L2	44953	float	V
Voltage 48.harmonic L2 – L3	HARM_U48_L2_L3	44955	float	V
Voltage 48.harmonic L3 – L1	HARM_U48_L3_L1	44957	float	V
	NULL	44959	float	
Voltage 49.harmonic L1 – L2	HARM_U49_L1_L2	44961	float	V
Voltage 49.harmonic L2 – L3	HARM_U49_L2_L3	44963	float	V
Voltage 49.harmonic L3 – L1	HARM_U49_L3_L1	44965	float	V
	NULL	44967	float	
Voltage 50.harmonic L1 – L2	HARM_U50_L1_L2	44969	float	V
Voltage 50.harmonic L2 – L3	HARM_U50_L2_L3	44971	float	V
Voltage 50.harmonic L3 – L1	HARM_U50_L3_L1	44973	float	V
	NULL	44975	float	
Voltage 51.harmonic L1 – L2	HARM_U51_L1_L2	44977	float	V
Voltage 51.harmonic L2 – L3	HARM_U51_L2_L3	44979	float	V
Voltage 51.harmonic L3 – L1	HARM_U51_L3_L1	44981	float	V
	NULL	44983	float	
Voltage 52.harmonic L1 – L2	HARM_U52_L1_L2	44985	float	V
Voltage 52.harmonic L2 – L3	HARM_U52_L2_L3	44987	float	V
Voltage 52.harmonic L3 – L1	HARM_U52_L3_L1	44989	float	V
	NULL	44991	float	
Voltage 53.harmonic L1 – L2	HARM_U53_L1_L2	44993	float	V
Voltage 53.harmonic L2 – L3	HARM_U53_L2_L3	44995	float	V
Voltage 53.harmonic L3 – L1	HARM_U53_L3_L1	44997	float	V
	NULL	44999	float	
Voltage 54.harmonic L1 – L2	HARM_U54_L1_L2	45001	float	V

Line voltage harmonics				
DESCRIPTION	NAME	ADDRESS	TYPE	UNIT
Voltage 54.harmonic L2 – L3	HARM_U54_L2_L3	45003	float	V
Voltage 54.harmonic L3 – L1	HARM_U54_L3_L1	45005	float	V
	NULL	45007	float	
Voltage 55.harmonic L1 – L2	HARM_U55_L1_L2	45009	float	V
Voltage 55.harmonic L2 – L3	HARM_U55_L2_L3	45011	float	V
Voltage 55.harmonic L3 – L1	HARM_U55_L3_L1	45013	float	V
	NULL	45015	float	
Voltage 56.harmonic L1 – L2	HARM_U56_L1_L2	45017	float	V
Voltage 56.harmonic L2 – L3	HARM_U56_L2_L3	45019	float	V
Voltage 56.harmonic L3 – L1	HARM_U56_L3_L1	45021	float	V
	NULL	45023	float	
Voltage 57.harmonic L1 – L2	HARM_U57_L1_L2	45025	float	V
Voltage 57.harmonic L2 – L3	HARM_U57_L2_L3	45027	float	V
Voltage 57.harmonic L3 – L1	HARM_U57_L3_L1	45029	float	V
	NULL	45031	float	
Voltage 58.harmonic L1 – L2	HARM_U58_L1_L2	45033	float	V
Voltage 58.harmonic L2 – L3	HARM_U58_L2_L3	45035	float	V
Voltage 58.harmonic L3 – L1	HARM_U58_L3_L1	45037	float	V
	NULL	45039	float	
Voltage 59.harmonic L1 – L2	HARM_U59_L1_L2	45041	float	V
Voltage 59.harmonic L2 – L3	HARM_U59_L2_L3	45043	float	V
Voltage 59.harmonic L3 – L1	HARM_U59_L3_L1	45045	float	V
	NULL	45047	float	
Voltage 60.harmonic L1 – L2	HARM_U60_L1_L2	45049	float	V
Voltage 60.harmonic L2 – L3	HARM_U60_L2_L3	45051	float	V
Voltage 60.harmonic L3 – L1	HARM_U60_L3_L1	45053	float	V
	NULL	45055	float	
Voltage 61.harmonic L1 – L2	HARM_U61_L1_L2	45057	float	V
Voltage 61.harmonic L2 – L3	HARM_U61_L2_L3	45059	float	V
Voltage 61.harmonic L3 – L1	HARM_U61_L3_L1	45061	float	V
	NULL	45063	float	
Voltage 62.harmonic L1 – L2	HARM_U62_L1_L2	45065	float	V
Voltage 62.harmonic L2 – L3	HARM_U62_L2_L3	45067	float	V
Voltage 62.harmonic L3 – L1	HARM_U62_L3_L1	45069	float	V
	NULL	45071	float	
Voltage 63.harmonic L1 – L2	HARM_U63_L1_L2	45073	float	V
Voltage 63.harmonic L2 – L3	HARM_U63_L2_L3	45075	float	V
Voltage 63.harmonic L3 – L1	HARM_U63_L3_L1	45077	float	V
	NULL	45079	float	
Voltage 64.harmonic L1 – L2	HARM_U64_L1_L2	45081	float	V
Voltage 64.harmonic L2 – L3	HARM_U64_L2_L3	45083	float	V
Voltage 64.harmonic L3 – L1	HARM_U64_L3_L1	45085	float	V
	NULL	45087	float	

Line voltage inter-harmonics				
DESCRIPTION	NAME	ADDRESS	TYPE	UNIT
Voltage 1.inter-harmonic L1 – L2	INTERHARM_U1_L1_L2	45089	float	V
Voltage 1.inter-harmonic L2 – L3	INTERHARM_U1_L2_L3	45091	float	V
Voltage 1.inter-harmonic L3 – L1	INTERHARM_U1_L3_L1	45093	float	V
	NULL	45095	float	
Voltage 2.inter-harmonic L1 – L2	INTERHARM_U2_L1_L2	45097	float	V
Voltage 2.inter-harmonic L2 – L3	INTERHARM_U2_L2_L3	45099	float	V
Voltage 2.inter-harmonic L3 – L1	INTERHARM_U2_L3_L1	45101	float	V
	NULL	45103	float	
Voltage 3.inter-harmonic L1 – L2	INTERHARM_U3_L1_L2	45105	float	V
Voltage 3.inter-harmonic L2 – L3	INTERHARM_U3_L2_L3	45107	float	V
Voltage 3.inter-harmonic L3 – L1	INTERHARM_U3_L3_L1	45109	float	V
	NULL	45111	float	
Voltage 4.inter-harmonic L1 – L2	INTERHARM_U4_L1_L2	45113	float	V
Voltage 4.inter-harmonic L2 – L3	INTERHARM_U4_L2_L3	45115	float	V
Voltage 4.inter-harmonic L3 – L1	INTERHARM_U4_L3_L1	45117	float	V
	NULL	45119	float	
Voltage 5.inter-harmonic L1 – L2	INTERHARM_U5_L1_L2	45121	float	V
Voltage 5.inter-harmonic L2 – L3	INTERHARM_U5_L2_L3	45123	float	V
Voltage 5.inter-harmonic L3 – L1	INTERHARM_U5_L3_L1	45125	float	V
	NULL	45127	float	
Voltage 6.inter-harmonic L1 – L2	INTERHARM_U6_L1_L2	45129	float	V
Voltage 6.inter-harmonic L2 – L3	INTERHARM_U6_L2_L3	45131	float	V
Voltage 6.inter-harmonic L3 – L1	INTERHARM_U6_L3_L1	45133	float	V
	NULL	45135	float	
Voltage 7.inter-harmonic L1 – L2	INTERHARM_U7_L1_L2	45137	float	V
Voltage 7.inter-harmonic L2 – L3	INTERHARM_U7_L2_L3	45139	float	V
Voltage 7.inter-harmonic L3 – L1	INTERHARM_U7_L3_L1	45141	float	V
	NULL	45143	float	
Voltage 8.inter-harmonic L1 – L2	INTERHARM_U8_L1_L2	45145	float	V
Voltage 8.inter-harmonic L2 – L3	INTERHARM_U8_L2_L3	45147	float	V
Voltage 8.inter-harmonic L3 – L1	INTERHARM_U8_L3_L1	45149	float	V
	NULL	45151	float	
Voltage 9.inter-harmonic L1 – L2	INTERHARM_U9_L1_L2	45153	float	V
Voltage 9.inter-harmonic L2 – L3	INTERHARM_U9_L2_L3	45155	float	V
Voltage 9.inter-harmonic L3 – L1	INTERHARM_U9_L3_L1	45157	float	V
	NULL	45159	float	
Voltage 10.inter-harmonic L1 – L2	INTERHARM_U10_L1_L2	45161	float	V
Voltage 10.inter-harmonic L2 – L3	INTERHARM_U10_L2_L3	45163	float	V
Voltage 10.inter-harmonic L3 – L1	INTERHARM_U10_L3_L1	45165	float	V
	NULL	45167	float	
Voltage 11.inter-harmonic L1 – L2	INTERHARM_U11_L1_L2	45169	float	V
Voltage 11.inter-harmonic L2 – L3	INTERHARM_U11_L2_L3	45171	float	V
Voltage 11.inter-harmonic L3 – L1	INTERHARM_U11_L3_L1	45173	float	V
	NULL	45175	float	
Voltage 12.inter-harmonic L1 – L2	INTERHARM_U12_L1_L2	45177	float	V
Voltage 12.inter-harmonic L2 – L3	INTERHARM_U12_L2_L3	45179	float	V
Voltage 12.inter-harmonic L3 – L1	INTERHARM_U12_L3_L1	45181	float	V
	NULL	45183	float	
Voltage 13.inter-harmonic L1 – L2	INTERHARM_U13_L1_L2	45185	float	V
Voltage 13.inter-harmonic L2 – L3	INTERHARM_U13_L2_L3	45187	float	V
Voltage 13.inter-harmonic L3 – L1	INTERHARM_U13_L3_L1	45189	float	V
	NULL	45191	float	
Voltage 14.inter-harmonic L1 – L2	INTERHARM_U14_L1_L2	45193	float	V
Voltage 14.inter-harmonic L2 – L3	INTERHARM_U14_L2_L3	45195	float	V
Voltage 14.inter-harmonic L3 – L1	INTERHARM_U14_L3_L1	45197	float	V
	NULL	45199	float	
Voltage 15.inter-harmonic L1 – L2	INTERHARM_U15_L1_L2	45201	float	V
Voltage 15.inter-harmonic L2 – L3	INTERHARM_U15_L2_L3	45203	float	V
Voltage 15.inter-harmonic L3 – L1	INTERHARM_U15_L3_L1	45205	float	V
	NULL	45207	float	
Voltage 16.inter-harmonic L1 – L2	INTERHARM_U16_L1_L2	45209	float	V
Voltage 16.inter-harmonic L2 – L3	INTERHARM_U16_L2_L3	45211	float	V
Voltage 16.inter-harmonic L3 – L1	INTERHARM_U16_L3_L1	45213	float	V
	NULL	45215	float	
Voltage 17.inter-harmonic L1 – L2	INTERHARM_U17_L1_L2	45217	float	V
Voltage 17.inter-harmonic L2 – L3	INTERHARM_U17_L2_L3	45219	float	V
Voltage 17.inter-harmonic L3 – L1	INTERHARM_U17_L3_L1	45221	float	V
	NULL	45223	float	
Voltage 18.inter-harmonic L1 – L2	INTERHARM_U18_L1_L2	45225	float	V
Voltage 18.inter-harmonic L2 – L3	INTERHARM_U18_L2_L3	45227	float	V
Voltage 18.inter-harmonic L3 – L1	INTERHARM_U18_L3_L1	45229	float	V

Line voltage inter-harmonics				
DESCRIPTION	NAME	ADDRESS	TYPE	UNIT
	NULL	45231	float	
Voltage 19.inter-harmonic L1 – L2	INTERHARM_U19_L1_L2	45233	float	V
Voltage 19.inter-harmonic L2 – L3	INTERHARM_U19_L2_L3	45235	float	V
Voltage 19.inter-harmonic L3 – L1	INTERHARM_U19_L3_L1	45237	float	V
	NULL	45239	float	
Voltage 20.inter-harmonic L1 – L2	INTERHARM_U20_L1_L2	45241	float	V
Voltage 20.inter-harmonic L2 – L3	INTERHARM_U20_L2_L3	45243	float	V
Voltage 20.inter-harmonic L3 – L1	INTERHARM_U20_L3_L1	45245	float	V
	NULL	45247	float	
Voltage 21.inter-harmonic L1 – L2	INTERHARM_U21_L1_L2	45249	float	V
Voltage 21.inter-harmonic L2 – L3	INTERHARM_U21_L2_L3	45251	float	V
Voltage 21.inter-harmonic L3 – L1	INTERHARM_U21_L3_L1	45253	float	V
	NULL	45255	float	
Voltage 22.inter-harmonic L1 – L2	INTERHARM_U22_L1_L2	45257	float	V
Voltage 22.inter-harmonic L2 – L3	INTERHARM_U22_L2_L3	45259	float	V
Voltage 22.inter-harmonic L3 – L1	INTERHARM_U22_L3_L1	45261	float	V
	NULL	45263	float	
Voltage 23.inter-harmonic L1 – L2	INTERHARM_U23_L1_L2	45265	float	V
Voltage 23.inter-harmonic L2 – L3	INTERHARM_U23_L2_L3	45267	float	V
Voltage 23.inter-harmonic L3 – L1	INTERHARM_U23_L3_L1	45269	float	V
	NULL	45271	float	
Voltage 24.inter-harmonic L1 – L2	INTERHARM_U24_L1_L2	45273	float	V
Voltage 24.inter-harmonic L2 – L3	INTERHARM_U24_L2_L3	45275	float	V
Voltage 24.inter-harmonic L3 – L1	INTERHARM_U24_L3_L1	45277	float	V
	NULL	45279	float	
Voltage 25.inter-harmonic L1 – L2	INTERHARM_U25_L1_L2	45281	float	V
Voltage 25.inter-harmonic L2 – L3	INTERHARM_U25_L2_L3	45283	float	V
Voltage 25.inter-harmonic L3 – L1	INTERHARM_U25_L3_L1	45285	float	V
	NULL	45287	float	
Voltage 26.inter-harmonic L1 – L2	INTERHARM_U26_L1_L2	45289	float	V
Voltage 26.inter-harmonic L2 – L3	INTERHARM_U26_L2_L3	45291	float	V
Voltage 26.inter-harmonic L3 – L1	INTERHARM_U26_L3_L1	45293	float	V
	NULL	45295	float	
Voltage 27.inter-harmonic L1 – L2	INTERHARM_U27_L1_L2	45297	float	V
Voltage 27.inter-harmonic L2 – L3	INTERHARM_U27_L2_L3	45299	float	V
Voltage 27.inter-harmonic L3 – L1	INTERHARM_U27_L3_L1	45301	float	V
	NULL	45303	float	
Voltage 28.inter-harmonic L1 – L2	INTERHARM_U28_L1_L2	45305	float	V
Voltage 28.inter-harmonic L2 – L3	INTERHARM_U28_L2_L3	45307	float	V
Voltage 28.inter-harmonic L3 – L1	INTERHARM_U28_L3_L1	45309	float	V
	NULL	45311	float	
Voltage 29.inter-harmonic L1 – L2	INTERHARM_U29_L1_L2	45313	float	V
Voltage 29.inter-harmonic L2 – L3	INTERHARM_U29_L2_L3	45315	float	V
Voltage 29.inter-harmonic L3 – L1	INTERHARM_U29_L3_L1	45317	float	V
	NULL	45319	float	
Voltage 30.inter-harmonic L1 – L2	INTERHARM_U30_L1_L2	45321	float	V
Voltage 30.inter-harmonic L2 – L3	INTERHARM_U30_L2_L3	45323	float	V
Voltage 30.inter-harmonic L3 – L1	INTERHARM_U30_L3_L1	45325	float	V
	NULL	45327	float	
Voltage 31.inter-harmonic L1 – L2	INTERHARM_U31_L1_L2	45329	float	V
Voltage 31.inter-harmonic L2 – L3	INTERHARM_U31_L2_L3	45331	float	V
Voltage 31.inter-harmonic L3 – L1	INTERHARM_U31_L3_L1	45333	float	V
	NULL	45335	float	
Voltage 32.inter-harmonic L1 – L2	INTERHARM_U32_L1_L2	45337	float	V
Voltage 32.inter-harmonic L2 – L3	INTERHARM_U32_L2_L3	45339	float	V
Voltage 32.inter-harmonic L3 – L1	INTERHARM_U32_L3_L1	45341	float	V
	NULL	45343	float	
Voltage 33.inter-harmonic L1 – L2	INTERHARM_U33_L1_L2	45345	float	V
Voltage 33.inter-harmonic L2 – L3	INTERHARM_U33_L2_L3	45347	float	V
Voltage 33.inter-harmonic L3 – L1	INTERHARM_U33_L3_L1	45349	float	V
	NULL	45351	float	
Voltage 34.inter-harmonic L1 – L2	INTERHARM_U34_L1_L2	45353	float	V
Voltage 34.inter-harmonic L2 – L3	INTERHARM_U34_L2_L3	45355	float	V
Voltage 34.inter-harmonic L3 – L1	INTERHARM_U34_L3_L1	45357	float	V
	NULL	45359	float	
Voltage 35.inter-harmonic L1 – L2	INTERHARM_U35_L1_L2	45361	float	V
Voltage 35.inter-harmonic L2 – L3	INTERHARM_U35_L2_L3	45363	float	V
Voltage 35.inter-harmonic L3 – L1	INTERHARM_U35_L3_L1	45365	float	V
	NULL	45367	float	
Voltage 36.inter-harmonic L1 – L2	INTERHARM_U36_L1_L2	45369	float	V
Voltage 36.inter-harmonic L2 – L3	INTERHARM_U36_L2_L3	45371	float	V

Line voltage inter-harmonics				
DESCRIPTION	NAME	ADDRESS	TYPE	UNIT
Voltage 36.inter-harmonic L3 – L1	INTERHARM_U36_L3_L1	45373	float	V
	NULL	45375	float	
Voltage 37.inter-harmonic L1 – L2	INTERHARM_U37_L1_L2	45377	float	V
Voltage 37.inter-harmonic L2 – L3	INTERHARM_U37_L2_L3	45379	float	V
Voltage 37.inter-harmonic L3 – L1	INTERHARM_U37_L3_L1	45381	float	V
	NULL	45383	float	
Voltage 38.inter-harmonic L1 – L2	INTERHARM_U38_L1_L2	45385	float	V
Voltage 38.inter-harmonic L2 – L3	INTERHARM_U38_L2_L3	45387	float	V
Voltage 38.inter-harmonic L3 – L1	INTERHARM_U38_L3_L1	45389	float	V
	NULL	45391	float	
Voltage 39.inter-harmonic L1 – L2	INTERHARM_U39_L1_L2	45393	float	V
Voltage 39.inter-harmonic L2 – L3	INTERHARM_U39_L2_L3	45395	float	V
Voltage 39.inter-harmonic L3 – L1	INTERHARM_U39_L3_L1	45397	float	V
	NULL	45399	float	
Voltage 40.inter-harmonic L1 – L2	INTERHARM_U40_L1_L2	45401	float	V
Voltage 40.inter-harmonic L2 – L3	INTERHARM_U40_L2_L3	45403	float	V
Voltage 40.inter-harmonic L3 – L1	INTERHARM_U40_L3_L1	45405	float	V
	NULL	45407	float	
Voltage 41.inter-harmonic L1 – L2	INTERHARM_U41_L1_L2	45409	float	V
Voltage 41.inter-harmonic L2 – L3	INTERHARM_U41_L2_L3	45411	float	V
Voltage 41.inter-harmonic L3 – L1	INTERHARM_U41_L3_L1	45413	float	V
	NULL	45415	float	
Voltage 42.inter-harmonic L1 – L2	INTERHARM_U42_L1_L2	45417	float	V
Voltage 42.inter-harmonic L2 – L3	INTERHARM_U42_L2_L3	45419	float	V
Voltage 42.inter-harmonic L3 – L1	INTERHARM_U42_L3_L1	45421	float	V
	NULL	45423	float	
Voltage 43.inter-harmonic L1 – L2	INTERHARM_U43_L1_L2	45425	float	V
Voltage 43.inter-harmonic L2 – L3	INTERHARM_U43_L2_L3	45427	float	V
Voltage 43.inter-harmonic L3 – L1	INTERHARM_U43_L3_L1	45429	float	V
	NULL	45431	float	
Voltage 44.inter-harmonic L1 – L2	INTERHARM_U44_L1_L2	45433	float	V
Voltage 44.inter-harmonic L2 – L3	INTERHARM_U44_L2_L3	45435	float	V
Voltage 44.inter-harmonic L3 – L1	INTERHARM_U44_L3_L1	45437	float	V
	NULL	45439	float	
Voltage 45.inter-harmonic L1 – L2	INTERHARM_U45_L1_L2	45441	float	V
Voltage 45.inter-harmonic L2 – L3	INTERHARM_U45_L2_L3	45443	float	V
Voltage 45.inter-harmonic L3 – L1	INTERHARM_U45_L3_L1	45445	float	V
	NULL	45447	float	
Voltage 46.inter-harmonic L1 – L2	INTERHARM_U46_L1_L2	45449	float	V
Voltage 46.inter-harmonic L2 – L3	INTERHARM_U46_L2_L3	45451	float	V
Voltage 46.inter-harmonic L3 – L1	INTERHARM_U46_L3_L1	45453	float	V
	NULL	45455	float	
Voltage 47.inter-harmonic L1 – L2	INTERHARM_U47_L1_L2	45457	float	V
Voltage 47.inter-harmonic L2 – L3	INTERHARM_U47_L2_L3	45459	float	V
Voltage 47.inter-harmonic L3 – L1	INTERHARM_U47_L3_L1	45461	float	V
	NULL	45463	float	
Voltage 48.inter-harmonic L1 – L2	INTERHARM_U48_L1_L2	45465	float	V
Voltage 48.inter-harmonic L2 – L3	INTERHARM_U48_L2_L3	45467	float	V
Voltage 48.inter-harmonic L3 – L1	INTERHARM_U48_L3_L1	45469	float	V
	NULL	45471	float	
Voltage 49.inter-harmonic L1 – L2	INTERHARM_U49_L1_L2	45473	float	V
Voltage 49.inter-harmonic L2 – L3	INTERHARM_U49_L2_L3	45475	float	V
Voltage 49.inter-harmonic L3 – L1	INTERHARM_U49_L3_L1	45477	float	V
	NULL	45479	float	
Voltage 50.inter-harmonic L1 – L2	INTERHARM_U50_L1_L2	45481	float	V
Voltage 50.inter-harmonic L2 – L3	INTERHARM_U50_L2_L3	45483	float	V
Voltage 50.inter-harmonic L3 – L1	INTERHARM_U50_L3_L1	45485	float	V
	NULL	45487	float	
Voltage 51.inter-harmonic L1 – L2	INTERHARM_U51_L1_L2	45489	float	V
Voltage 51.inter-harmonic L2 – L3	INTERHARM_U51_L2_L3	45491	float	V
Voltage 51.inter-harmonic L3 – L1	INTERHARM_U51_L3_L1	45493	float	V
	NULL	45495	float	
Voltage 52.inter-harmonic L1 – L2	INTERHARM_U52_L1_L2	45497	float	V
Voltage 52.inter-harmonic L2 – L3	INTERHARM_U52_L2_L3	45499	float	V
Voltage 52.inter-harmonic L3 – L1	INTERHARM_U52_L3_L1	45501	float	V
	NULL	45503	float	
Voltage 53.inter-harmonic L1 – L2	INTERHARM_U53_L1_L2	45505	float	V
Voltage 53.inter-harmonic L2 – L3	INTERHARM_U53_L2_L3	45507	float	V
Voltage 53.inter-harmonic L3 – L1	INTERHARM_U53_L3_L1	45509	float	V
	NULL	45511	float	
Voltage 54.inter-harmonic L1 – L2	INTERHARM_U54_L1_L2	45513	float	V

Line voltage inter-harmonics				
DESCRIPTION	NAME	ADDRESS	TYPE	UNIT
Voltage 54.inter-harmonic L2 – L3	INTERHARM_U54_L2_L3	45515	float	V
Voltage 54.inter-harmonic L3 – L1	INTERHARM_U54_L3_L1	45517	float	V
	NULL	45519	float	
Voltage 55.inter-harmonic L1 – L2	INTERHARM_U55_L1_L2	45521	float	V
Voltage 55.inter-harmonic L2 – L3	INTERHARM_U55_L2_L3	45523	float	V
Voltage 55.inter-harmonic L3 – L1	INTERHARM_U55_L3_L1	45525	float	V
	NULL	45527	float	
Voltage 56.inter-harmonic L1 – L2	INTERHARM_U56_L1_L2	45529	float	V
Voltage 56.inter-harmonic L2 – L3	INTERHARM_U56_L2_L3	45531	float	V
Voltage 56.inter-harmonic L3 – L1	INTERHARM_U56_L3_L1	45533	float	V
	NULL	45535	float	
Voltage 57.inter-harmonic L1 – L2	INTERHARM_U57_L1_L2	45537	float	V
Voltage 57.inter-harmonic L2 – L3	INTERHARM_U57_L2_L3	45539	float	V
Voltage 57.inter-harmonic L3 – L1	INTERHARM_U57_L3_L1	45541	float	V
	NULL	45543	float	
Voltage 58.inter-harmonic L1 – L2	INTERHARM_U58_L1_L2	45545	float	V
Voltage 58.inter-harmonic L2 – L3	INTERHARM_U58_L2_L3	45547	float	V
Voltage 58.inter-harmonic L3 – L1	INTERHARM_U58_L3_L1	45549	float	V
	NULL	45551	float	
Voltage 59.inter-harmonic L1 – L2	INTERHARM_U59_L1_L2	45553	float	V
Voltage 59.inter-harmonic L2 – L3	INTERHARM_U59_L2_L3	45555	float	V
Voltage 59.inter-harmonic L3 – L1	INTERHARM_U59_L3_L1	45557	float	V
	NULL	45559	float	
Voltage 60.inter-harmonic L1 – L2	INTERHARM_U60_L1_L2	45561	float	V
Voltage 60.inter-harmonic L2 – L3	INTERHARM_U60_L2_L3	45563	float	V
Voltage 60.inter-harmonic L3 – L1	INTERHARM_U60_L3_L1	45565	float	V
	NULL	45567	float	
Voltage 61.inter-harmonic L1 – L2	INTERHARM_U61_L1_L2	45569	float	V
Voltage 61.inter-harmonic L2 – L3	INTERHARM_U61_L2_L3	45571	float	V
Voltage 61.inter-harmonic L3 – L1	INTERHARM_U61_L3_L1	45573	float	V
	NULL	45575	float	
Voltage 62.inter-harmonic L1 – L2	INTERHARM_U62_L1_L2	45577	float	V
Voltage 62.inter-harmonic L2 – L3	INTERHARM_U62_L2_L3	45579	float	V
Voltage 62.inter-harmonic L3 – L1	INTERHARM_U62_L3_L1	45581	float	V
	NULL	45583	float	
Voltage 63.inter-harmonic L1 – L2	INTERHARM_U63_L1_L2	45585	float	V
Voltage 63.inter-harmonic L2 – L3	INTERHARM_U63_L2_L3	45587	float	V
Voltage 63.inter-harmonic L3 – L1	INTERHARM_U63_L3_L1	45589	float	V
	NULL	45591	float	
Voltage 64.inter-harmonic L1 – L2	INTERHARM_U64_L1_L2	45593	float	V
Voltage 64.inter-harmonic L2 – L3	INTERHARM_U64_L2_L3	45595	float	V
Voltage 64.inter-harmonic L3 – L1	INTERHARM_U64_L3_L1	45597	float	V
	NULL	45599	float	

Line voltage group harmonics				
DESCRIPTION	NAME	ADDRESS	TYPE	UNIT
Voltage 1.group harmonic L1 – L2	GROUP_HARM_U1_L1_L2	45601	float	V
Voltage 1.group harmonic L2 – L3	GROUP_HARM_U1_L2_L3	45603	float	V
Voltage 1.group harmonic L3 – L1	GROUP_HARM_U1_L3_L1	45605	float	V
	NULL	45607	float	
Voltage 2.group harmonic L1 – L2	GROUP_HARM_U2_L1_L2	45609	float	V
Voltage 2.group harmonic L2 – L3	GROUP_HARM_U2_L2_L3	45611	float	V
Voltage 2.group harmonic L3 – L1	GROUP_HARM_U2_L3_L1	45613	float	V
	NULL	45615	float	
Voltage 3.group harmonic L1 – L2	GROUP_HARM_U3_L1_L2	45617	float	V
Voltage 3.group harmonic L2 – L3	GROUP_HARM_U3_L2_L3	45619	float	V
Voltage 3.group harmonic L3 – L1	GROUP_HARM_U3_L3_L1	45621	float	V
	NULL	45623	float	
Voltage 4.group harmonic L1 – L2	GROUP_HARM_U4_L1_L2	45625	float	V
Voltage 4.group harmonic L2 – L3	GROUP_HARM_U4_L2_L3	45627	float	V
Voltage 4.group harmonic L3 – L1	GROUP_HARM_U4_L3_L1	45629	float	V
	NULL	45631	float	
Voltage 5.group harmonic L1 – L2	GROUP_HARM_U5_L1_L2	45633	float	V
Voltage 5.group harmonic L2 – L3	GROUP_HARM_U5_L2_L3	45635	float	V
Voltage 5.group harmonic L3 – L1	GROUP_HARM_U5_L3_L1	45637	float	V
	NULL	45639	float	
Voltage 6.group harmonic L1 – L2	GROUP_HARM_U6_L1_L2	45641	float	V
Voltage 6.group harmonic L2 – L3	GROUP_HARM_U6_L2_L3	45643	float	V
Voltage 6.group harmonic L3 – L1	GROUP_HARM_U6_L3_L1	45645	float	V
	NULL	45647	float	
Voltage 7.group harmonic L1 – L2	GROUP_HARM_U7_L1_L2	45649	float	V
Voltage 7.group harmonic L2 – L3	GROUP_HARM_U7_L2_L3	45651	float	V
Voltage 7.group harmonic L3 – L1	GROUP_HARM_U7_L3_L1	45653	float	V
	NULL	45655	float	
Voltage 8.group harmonic L1 – L2	GROUP_HARM_U8_L1_L2	45657	float	V
Voltage 8.group harmonic L2 – L3	GROUP_HARM_U8_L2_L3	45659	float	V
Voltage 8.group harmonic L3 – L1	GROUP_HARM_U8_L3_L1	45661	float	V
	NULL	45663	float	
Voltage 9.group harmonic L1 – L2	GROUP_HARM_U9_L1_L2	45665	float	V
Voltage 9.group harmonic L2 – L3	GROUP_HARM_U9_L2_L3	45667	float	V
Voltage 9.group harmonic L3 – L1	GROUP_HARM_U9_L3_L1	45669	float	V
	NULL	45671	float	
Voltage 10.group harmonic L1 – L2	GROUP_HARM_U10_L1_L2	45673	float	V
Voltage 10.group harmonic L2 – L3	GROUP_HARM_U10_L2_L3	45675	float	V
Voltage 10.group harmonic L3 – L1	GROUP_HARM_U10_L3_L1	45677	float	V
	NULL	45679	float	
Voltage 11.group harmonic L1 – L2	GROUP_HARM_U11_L1_L2	45681	float	V
Voltage 11.group harmonic L2 – L3	GROUP_HARM_U11_L2_L3	45683	float	V
Voltage 11.group harmonic L3 – L1	GROUP_HARM_U11_L3_L1	45685	float	V
	NULL	45687	float	
Voltage 12.group harmonic L1 – L2	GROUP_HARM_U12_L1_L2	45689	float	V
Voltage 12.group harmonic L2 – L3	GROUP_HARM_U12_L2_L3	45691	float	V
Voltage 12.group harmonic L3 – L1	GROUP_HARM_U12_L3_L1	45693	float	V
	NULL	45695	float	
Voltage 13.group harmonic L1 – L2	GROUP_HARM_U13_L1_L2	45697	float	V
Voltage 13.group harmonic L2 – L3	GROUP_HARM_U13_L2_L3	45699	float	V
Voltage 13.group harmonic L3 – L1	GROUP_HARM_U13_L3_L1	45701	float	V
	NULL	45703	float	
Voltage 14.group harmonic L1 – L2	GROUP_HARM_U14_L1_L2	45705	float	V
Voltage 14.group harmonic L2 – L3	GROUP_HARM_U14_L2_L3	45707	float	V
Voltage 14.group harmonic L3 – L1	GROUP_HARM_U14_L3_L1	45709	float	V
	NULL	45711	float	
Voltage 15.group harmonic L1 – L2	GROUP_HARM_U15_L1_L2	45713	float	V
Voltage 15.group harmonic L2 – L3	GROUP_HARM_U15_L2_L3	45715	float	V
Voltage 15.group harmonic L3 – L1	GROUP_HARM_U15_L3_L1	45717	float	V
	NULL	45719	float	
Voltage 16.group harmonic L1 – L2	GROUP_HARM_U16_L1_L2	45721	float	V
Voltage 16.group harmonic L2 – L3	GROUP_HARM_U16_L2_L3	45723	float	V
Voltage 16.group harmonic L3 – L1	GROUP_HARM_U16_L3_L1	45725	float	V
	NULL	45727	float	
Voltage 17.group harmonic L1 – L2	GROUP_HARM_U17_L1_L2	45729	float	V
Voltage 17.group harmonic L2 – L3	GROUP_HARM_U17_L2_L3	45731	float	V
Voltage 17.group harmonic L3 – L1	GROUP_HARM_U17_L3_L1	45733	float	V
	NULL	45735	float	
Voltage 18.group harmonic L1 – L2	GROUP_HARM_U18_L1_L2	45737	float	V
Voltage 18.group harmonic L2 – L3	GROUP_HARM_U18_L2_L3	45739	float	V
Voltage 18.group harmonic L3 – L1	GROUP_HARM_U18_L3_L1	45741	float	V

Line voltage group harmonics				
DESCRIPTION	NAME	ADDRESS	TYPE	UNIT
	NULL	45743	float	
Voltage 19.group harmonic L1 – L2	GROUP_HARM_U19_L1_L2	45745	float	V
Voltage 19.group harmonic L2 – L3	GROUP_HARM_U19_L2_L3	45747	float	V
Voltage 19.group harmonic L3 – L1	GROUP_HARM_U19_L3_L1	45749	float	V
	NULL	45751	float	
Voltage 20.group harmonic L1 – L2	GROUP_HARM_U20_L1_L2	45753	float	V
Voltage 20.group harmonic L2 – L3	GROUP_HARM_U20_L2_L3	45755	float	V
Voltage 20.group harmonic L3 – L1	GROUP_HARM_U20_L3_L1	45757	float	V
	NULL	45759	float	
Voltage 21.group harmonic L1 – L2	GROUP_HARM_U21_L1_L2	45761	float	V
Voltage 21.group harmonic L2 – L3	GROUP_HARM_U21_L2_L3	45763	float	V
Voltage 21.group harmonic L3 – L1	GROUP_HARM_U21_L3_L1	45765	float	V
	NULL	45767	float	
Voltage 22.group harmonic L1 – L2	GROUP_HARM_U22_L1_L2	45769	float	V
Voltage 22.group harmonic L2 – L3	GROUP_HARM_U22_L2_L3	45771	float	V
Voltage 22.group harmonic L3 – L1	GROUP_HARM_U22_L3_L1	45773	float	V
	NULL	45775	float	
Voltage 23.group harmonic L1 – L2	GROUP_HARM_U23_L1_L2	45777	float	V
Voltage 23.group harmonic L2 – L3	GROUP_HARM_U23_L2_L3	45779	float	V
Voltage 23.group harmonic L3 – L1	GROUP_HARM_U23_L3_L1	45781	float	V
	NULL	45783	float	
Voltage 24.group harmonic L1 – L2	GROUP_HARM_U24_L1_L2	45785	float	V
Voltage 24.group harmonic L2 – L3	GROUP_HARM_U24_L2_L3	45787	float	V
Voltage 24.group harmonic L3 – L1	GROUP_HARM_U24_L3_L1	45789	float	V
	NULL	45791	float	
Voltage 25.group harmonic L1 – L2	GROUP_HARM_U25_L1_L2	45793	float	V
Voltage 25.group harmonic L2 – L3	GROUP_HARM_U25_L2_L3	45795	float	V
Voltage 25.group harmonic L3 – L1	GROUP_HARM_U25_L3_L1	45797	float	V
	NULL	45799	float	
Voltage 26.group harmonic L1 – L2	GROUP_HARM_U26_L1_L2	45801	float	V
Voltage 26.group harmonic L2 – L3	GROUP_HARM_U26_L2_L3	45803	float	V
Voltage 26.group harmonic L3 – L1	GROUP_HARM_U26_L3_L1	45805	float	V
	NULL	45807	float	
Voltage 27.group harmonic L1 – L2	GROUP_HARM_U27_L1_L2	45809	float	V
Voltage 27.group harmonic L2 – L3	GROUP_HARM_U27_L2_L3	45811	float	V
Voltage 27.group harmonic L3 – L1	GROUP_HARM_U27_L3_L1	45813	float	V
	NULL	45815	float	
Voltage 28.group harmonic L1 – L2	GROUP_HARM_U28_L1_L2	45817	float	V
Voltage 28.group harmonic L2 – L3	GROUP_HARM_U28_L2_L3	45819	float	V
Voltage 28.group harmonic L3 – L1	GROUP_HARM_U28_L3_L1	45821	float	V
	NULL	45823	float	
Voltage 29.group harmonic L1 – L2	GROUP_HARM_U29_L1_L2	45825	float	V
Voltage 29.group harmonic L2 – L3	GROUP_HARM_U29_L2_L3	45827	float	V
Voltage 29.group harmonic L3 – L1	GROUP_HARM_U29_L3_L1	45829	float	V
	NULL	45831	float	
Voltage 30.group harmonic L1 – L2	GROUP_HARM_U30_L1_L2	45833	float	V
Voltage 30.group harmonic L2 – L3	GROUP_HARM_U30_L2_L3	45835	float	V
Voltage 30.group harmonic L3 – L1	GROUP_HARM_U30_L3_L1	45837	float	V
	NULL	45839	float	
Voltage 31.group harmonic L1 – L2	GROUP_HARM_U31_L1_L2	45841	float	V
Voltage 31.group harmonic L2 – L3	GROUP_HARM_U31_L2_L3	45843	float	V
Voltage 31.group harmonic L3 – L1	GROUP_HARM_U31_L3_L1	45845	float	V
	NULL	45847	float	
Voltage 32.group harmonic L1 – L2	GROUP_HARM_U32_L1_L2	45849	float	V
Voltage 32.group harmonic L2 – L3	GROUP_HARM_U32_L2_L3	45851	float	V
Voltage 32.group harmonic L3 – L1	GROUP_HARM_U32_L3_L1	45853	float	V
	NULL	45855	float	
Voltage 33.group harmonic L1 – L2	GROUP_HARM_U33_L1_L2	45857	float	V
Voltage 33.group harmonic L2 – L3	GROUP_HARM_U33_L2_L3	45859	float	V
Voltage 33.group harmonic L3 – L1	GROUP_HARM_U33_L3_L1	45861	float	V
	NULL	45863	float	
Voltage 34.group harmonic L1 – L2	GROUP_HARM_U34_L1_L2	45865	float	V
Voltage 34.group harmonic L2 – L3	GROUP_HARM_U34_L2_L3	45867	float	V
Voltage 34.group harmonic L3 – L1	GROUP_HARM_U34_L3_L1	45869	float	V
	NULL	45871	float	
Voltage 35.group harmonic L1 – L2	GROUP_HARM_U35_L1_L2	45873	float	V
Voltage 35.group harmonic L2 – L3	GROUP_HARM_U35_L2_L3	45875	float	V
Voltage 35.group harmonic L3 – L1	GROUP_HARM_U35_L3_L1	45877	float	V
	NULL	45879	float	
Voltage 36.group harmonic L1 – L2	GROUP_HARM_U36_L1_L2	45881	float	V
Voltage 36.group harmonic L2 – L3	GROUP_HARM_U36_L2_L3	45883	float	V

Line voltage group harmonics				
DESCRIPTION	NAME	ADDRESS	TYPE	UNIT
Voltage 36.group harmonic L3 – L1	GROUP_HARM_U36_L3_L1	45885	float	V
	NULL	45887	float	
Voltage 37.group harmonic L1 – L2	GROUP_HARM_U37_L1_L2	45889	float	V
Voltage 37.group harmonic L2 – L3	GROUP_HARM_U37_L2_L3	45891	float	V
Voltage 37.group harmonic L3 – L1	GROUP_HARM_U37_L3_L1	45893	float	V
	NULL	45895	float	
Voltage 38.group harmonic L1 – L2	GROUP_HARM_U38_L1_L2	45897	float	V
Voltage 38.group harmonic L2 – L3	GROUP_HARM_U38_L2_L3	45899	float	V
Voltage 38.group harmonic L3 – L1	GROUP_HARM_U38_L3_L1	45901	float	V
	NULL	45903	float	
Voltage 39.group harmonic L1 – L2	GROUP_HARM_U39_L1_L2	45905	float	V
Voltage 39.group harmonic L2 – L3	GROUP_HARM_U39_L2_L3	45907	float	V
Voltage 39.group harmonic L3 – L1	GROUP_HARM_U39_L3_L1	45909	float	V
	NULL	45911	float	
Voltage 40.group harmonic L1 – L2	GROUP_HARM_U40_L1_L2	45913	float	V
Voltage 40.group harmonic L2 – L3	GROUP_HARM_U40_L2_L3	45915	float	V
Voltage 40.group harmonic L3 – L1	GROUP_HARM_U40_L3_L1	45917	float	V
	NULL	45919	float	
Voltage 41.group harmonic L1 – L2	GROUP_HARM_U41_L1_L2	45921	float	V
Voltage 41.group harmonic L2 – L3	GROUP_HARM_U41_L2_L3	45923	float	V
Voltage 41.group harmonic L3 – L1	GROUP_HARM_U41_L3_L1	45925	float	V
	NULL	45927	float	
Voltage 42.group harmonic L1 – L2	GROUP_HARM_U42_L1_L2	45929	float	V
Voltage 42.group harmonic L2 – L3	GROUP_HARM_U42_L2_L3	45931	float	V
Voltage 42.group harmonic L3 – L1	GROUP_HARM_U42_L3_L1	45933	float	V
	NULL	45935	float	
Voltage 43.group harmonic L1 – L2	GROUP_HARM_U43_L1_L2	45937	float	V
Voltage 43.group harmonic L2 – L3	GROUP_HARM_U43_L2_L3	45939	float	V
Voltage 43.group harmonic L3 – L1	GROUP_HARM_U43_L3_L1	45941	float	V
	NULL	45943	float	
Voltage 44.group harmonic L1 – L2	GROUP_HARM_U44_L1_L2	45945	float	V
Voltage 44.group harmonic L2 – L3	GROUP_HARM_U44_L2_L3	45947	float	V
Voltage 44.group harmonic L3 – L1	GROUP_HARM_U44_L3_L1	45949	float	V
	NULL	45951	float	
Voltage 45.group harmonic L1 – L2	GROUP_HARM_U45_L1_L2	45953	float	V
Voltage 45.group harmonic L2 – L3	GROUP_HARM_U45_L2_L3	45955	float	V
Voltage 45.group harmonic L3 – L1	GROUP_HARM_U45_L3_L1	45957	float	V
	NULL	45959	float	
Voltage 46.group harmonic L1 – L2	GROUP_HARM_U46_L1_L2	45961	float	V
Voltage 46.group harmonic L2 – L3	GROUP_HARM_U46_L2_L3	45963	float	V
Voltage 46.group harmonic L3 – L1	GROUP_HARM_U46_L3_L1	45965	float	V
	NULL	45967	float	
Voltage 47.group harmonic L1 – L2	GROUP_HARM_U47_L1_L2	45969	float	V
Voltage 47.group harmonic L2 – L3	GROUP_HARM_U47_L2_L3	45971	float	V
Voltage 47.group harmonic L3 – L1	GROUP_HARM_U47_L3_L1	45973	float	V
	NULL	45975	float	
Voltage 48.group harmonic L1 – L2	GROUP_HARM_U48_L1_L2	45977	float	V
Voltage 48.group harmonic L2 – L3	GROUP_HARM_U48_L2_L3	45979	float	V
Voltage 48.group harmonic L3 – L1	GROUP_HARM_U48_L3_L1	45981	float	V
	NULL	45983	float	
Voltage 49.group harmonic L1 – L2	GROUP_HARM_U49_L1_L2	45985	float	V
Voltage 49.group harmonic L2 – L3	GROUP_HARM_U49_L2_L3	45987	float	V
Voltage 49.group harmonic L3 – L1	GROUP_HARM_U49_L3_L1	45989	float	V
	NULL	45991	float	
Voltage 50.group harmonic L1 – L2	GROUP_HARM_U50_L1_L2	45993	float	V
Voltage 50.group harmonic L2 – L3	GROUP_HARM_U50_L2_L3	45995	float	V
Voltage 50.group harmonic L3 – L1	GROUP_HARM_U50_L3_L1	45997	float	V
	NULL	45999	float	
Voltage 51.group harmonic L1 – L2	GROUP_HARM_U51_L1_L2	46001	float	V
Voltage 51.group harmonic L2 – L3	GROUP_HARM_U51_L2_L3	46003	float	V
Voltage 51.group harmonic L3 – L1	GROUP_HARM_U51_L3_L1	46005	float	V
	NULL	46007	float	
Voltage 52.group harmonic L1 – L2	GROUP_HARM_U52_L1_L2	46009	float	V
Voltage 52.group harmonic L2 – L3	GROUP_HARM_U52_L2_L3	46011	float	V
Voltage 52.group harmonic L3 – L1	GROUP_HARM_U52_L3_L1	46013	float	V
	NULL	46015	float	
Voltage 53.group harmonic L1 – L2	GROUP_HARM_U53_L1_L2	46017	float	V
Voltage 53.group harmonic L2 – L3	GROUP_HARM_U53_L2_L3	46019	float	V
Voltage 53.group harmonic L3 – L1	GROUP_HARM_U53_L3_L1	46021	float	V
	NULL	46023	float	
Voltage 54.group harmonic L1 – L2	GROUP_HARM_U54_L1_L2	46025	float	V

Line voltage group harmonics				
DESCRIPTION	NAME	ADDRESS	TYPE	UNIT
Voltage 54.group harmonic L2 – L3	GROUP_HARM_U54_L2_L3	46027	float	V
Voltage 54.group harmonic L3 – L1	GROUP_HARM_U54_L3_L1	46029	float	V
	NULL	46031	float	
Voltage 55.group harmonic L1 – L2	GROUP_HARM_U55_L1_L2	46033	float	V
Voltage 55.group harmonic L2 – L3	GROUP_HARM_U55_L2_L3	46035	float	V
Voltage 55.group harmonic L3 – L1	GROUP_HARM_U55_L3_L1	46037	float	V
	NULL	46039	float	
Voltage 56.group harmonic L1 – L2	GROUP_HARM_U56_L1_L2	46041	float	V
Voltage 56.group harmonic L2 – L3	GROUP_HARM_U56_L2_L3	46043	float	V
Voltage 56.group harmonic L3 – L1	GROUP_HARM_U56_L3_L1	46045	float	V
	NULL	46047	float	
Voltage 57.group harmonic L1 – L2	GROUP_HARM_U57_L1_L2	46049	float	V
Voltage 57.group harmonic L2 – L3	GROUP_HARM_U57_L2_L3	46051	float	V
Voltage 57.group harmonic L3 – L1	GROUP_HARM_U57_L3_L1	46053	float	V
	NULL	46055	float	
Voltage 58.group harmonic L1 – L2	GROUP_HARM_U58_L1_L2	46057	float	V
Voltage 58.group harmonic L2 – L3	GROUP_HARM_U58_L2_L3	46059	float	V
Voltage 58.group harmonic L3 – L1	GROUP_HARM_U58_L3_L1	46061	float	V
	NULL	46063	float	
Voltage 59.group harmonic L1 – L2	GROUP_HARM_U59_L1_L2	46065	float	V
Voltage 59.group harmonic L2 – L3	GROUP_HARM_U59_L2_L3	46067	float	V
Voltage 59.group harmonic L3 – L1	GROUP_HARM_U59_L3_L1	46069	float	V
	NULL	46071	float	
Voltage 60.group harmonic L1 – L2	GROUP_HARM_U60_L1_L2	46073	float	V
Voltage 60.group harmonic L2 – L3	GROUP_HARM_U60_L2_L3	46075	float	V
Voltage 60.group harmonic L3 – L1	GROUP_HARM_U60_L3_L1	46077	float	V
	NULL	46079	float	
Voltage 61.group harmonic L1 – L2	GROUP_HARM_U61_L1_L2	46081	float	V
Voltage 61.group harmonic L2 – L3	GROUP_HARM_U61_L2_L3	46083	float	V
Voltage 61.group harmonic L3 – L1	GROUP_HARM_U61_L3_L1	46085	float	V
	NULL	46087	float	
Voltage 62.group harmonic L1 – L2	GROUP_HARM_U62_L1_L2	46089	float	V
Voltage 62.group harmonic L2 – L3	GROUP_HARM_U62_L2_L3	46091	float	V
Voltage 62.group harmonic L3 – L1	GROUP_HARM_U62_L3_L1	46093	float	V
	NULL	46095	float	
Voltage 63.group harmonic L1 – L2	GROUP_HARM_U63_L1_L2	46097	float	V
Voltage 63.group harmonic L2 – L3	GROUP_HARM_U63_L2_L3	46099	float	V
Voltage 63.group harmonic L3 – L1	GROUP_HARM_U63_L3_L1	46101	float	V
	NULL	46103	float	
Voltage 64.group harmonic L1 – L2	GROUP_HARM_U64_L1_L2	46105	float	V
Voltage 64.group harmonic L2 – L3	GROUP_HARM_U64_L2_L3	46107	float	V
Voltage 64.group harmonic L3 – L1	GROUP_HARM_U64_L3_L1	46109	float	V
	NULL	46111	float	

Energy				
DESCRIPTION	NAME	ADDRESS	TYPE	UNIT
Consumed Active Energy		55000	long64	kWh
Consumed Inductive Reactive Energy		55004	long64	kvarh
Consumed Capacitive Reactive Energy		55008	long64	kvarh
Supplied Active Energy		55012	long64	kWh
Supplied Inductive Reactive Energy		55016	long64	kvarh
Supplied Capacitive Reactive Energy		55020	long64	kvarh

Formula: Energy = Received value/10

Example: Received value: 10001 → 1000,1kWh

Energy				
DESCRIPTION	NAME	ADDRESS	TYPE	UNIT
Consumed Active Energy		55024	float	kWh
Consumed Inductive Reactive Energy		55026	float	kvarh
Consumed Capacitive Reactive Energy		55028	float	kvarh
Supplied Active Energy		55030	float	kWh
Supplied Inductive Reactive Energy		55032	float	kvarh
Supplied Capacitive Reactive Energy		55034	float	kvarh

Maximum values				
DESCRIPTION	NAME	ADDRESS	TYPE	UNIT
Time – voltage L1	TIME_MAX_U_LN_L1	56000	unsigned long	s
Voltage L1	MAX_U_LN_L1	56002	float	V
Time – voltage L2	TIME_MAX_U_LN_L2	56004	unsigned long	s
Voltage L2	MAX_U_LN_L2	56006	float	V
Time – voltage L3	TIME_MAX_U_LN_L3	56008	unsigned long	s
Voltage L3	MAX_U_LN_L3	56010	float	V
	NULL	56012		
	NULL	56014		
Time – voltage L1 – L2	TIME_MAX_U_LL_L1-2	56016	unsigned long	s
Voltage L1 – L2	MAX_U_LL_L1-2	56018	float	V
Time – voltage L2 – L3	TIME_MAX_U_LL_L2-3	56020	unsigned long	s
Voltage L2 – L3	MAX_U_LL_L2-3	56022	float	V
Time – voltage L3 – L1	TIME_MAX_U_LL_L3-1	56024	unsigned long	s
Voltage L3 – L1	MAX_U_LL_L3-1	56026	float	V
	NULL	56028		
	NULL	56030		
Time – voltage THD L1	TIME_MAX_THDU_LN_L1	56032	unsigned long	s
Voltage THD L1	MAX_THDU_LN_L1	56034	float	%
Time – voltage THD L2	TIME_MAX_THDU_LN_L2	56036	unsigned long	s
Voltage THD L2	MAX_THDU_LN_L2	56038	float	%
Time – voltage THD L3	TIME_MAX_THDU_LN_L3	56040	unsigned long	s
Voltage THD L3	MAX_THDU_LN_L3	56042	float	%
	NULL	56044		
	NULL	56046		
Time – voltage THD L1 – L2	TIME_MAX_THDU_LL_L1-2	56048	unsigned long	s
Voltage THD L1 – L2	MAX_THDU_LL_L1-2	56050	float	%
Time – voltage THD L2 – L3	TIME_MAX_THDU_LL_L2-3	56052	unsigned long	s
Voltage L2 – L3	MAX_THDU_LL_L2-3	56054	float	%
Time – voltage THD L3 – L1	TIME_MAX_THDU_LL_L3-1	56056	unsigned long	s
Voltage THD L3 – L1	MAX_THDU_LL_L3-1	56058	float	%
	NULL	56060		
	NULL	56062		
Time – current THD L1	TIME_MAX_THDI_L1	56064	unsigned long	s
Current THD L1	MAX_THDI_L1	56066	float	%
Time – current THD L2	TIME_MAX_THDI_L2	56068	unsigned long	s
Current THD L2	MAX_THDI_L2	56070	float	%
Time – current THD L3	TIME_MAX_THDI_L3	56072	unsigned long	s
Current THD L3	MAX_THDI_L3	56074	float	%
Time – current THD L4	TIME_MAX_THDI_L4	56076	unsigned long	s
Current THD L4	MAX_THDI_L4	56078	float	%
Time – under-deviation voltage L1	TIME_MAX_UNDERDEVIATION_LN_L1	56080	unsigned long	s
Under-deviation voltage L1	MAX_UNDERDEVIATION_LN_L1	56082	float	V
Time – under-deviation voltage L2	TIME_MAX_UNDERDEVIATION_LN_L2	56084	unsigned long	s
Under-deviation voltage L2	MAX_UNDERDEVIATION_LN_L2	56086	float	V
Time – under-deviation voltage L3	TIME_MAX_UNDERDEVIATION_LN_L3	56088	unsigned long	s
Under-deviation voltage L3	MAX_UNDERDEVIATION_LN_L3	56090	float	V
	NULL	56092		
	NULL	56094		
Time – over-deviation voltage L1	TIME_MAX_OVERDEVIATION_LN_L1	56096	unsigned long	s
Over-deviation voltage L1	MAX_OVERDEVIATION_LN_L1	56098	float	V
Time – over-deviation voltage L2	TIME_MAX_OVERDEVIATION_LN_L2	56100	unsigned long	s
Over-deviation voltage L2	MAX_OVERDEVIATION_LN_L2	56102	float	V
Time – over-deviation voltage L3	TIME_MAX_OVERDEVIATION_LN_L3	56104	unsigned long	s
Over-deviation voltage L3	MAX_OVERDEVIATION_LN_L3	56106	float	V
	NULL	56108		
	NULL	56110		
Time – under-deviation voltage L1 – L2	TIME_MAX_UNDERDEVIATION_LL_L1-2	56112	unsigned long	s
Under-deviation voltage L1 – L2	MAX_UNDERDEVIATION_LL_L1-2	56114	float	V
Time – under-deviation voltage L2 – L3	TIME_MAX_UNDERDEVIATION_LL_L2-3	56116	unsigned long	s
Under-deviation voltage L2 – L3	MAX_UNDERDEVIATION_LL_L2-3	56118	float	V
Time – under-deviation voltage L3 – L1	TIME_MAX_UNDERDEVIATION_LL_L3-1	56120	unsigned long	s
Under-deviation voltage L3 – L1	MAX_UNDERDEVIATION_LL_L3-1	56122	float	V
	NULL	56124		
	NULL	56126		
Time – over-deviation voltage L1 – L2	TIME_MAX_OVERDEVIATION_LL_L1-2	56128	unsigned long	s
Over-deviation voltage L1 – L2	MAX_OVERDEVIATION_LL_L1-2	56130	float	V
Time – over-deviation voltage L2 – L3	TIME_MAX_OVERDEVIATION_LL_L2-3	56132	unsigned long	s
Over-deviation voltage L2 – L3	MAX_OVERDEVIATION_LL_L2-3	56134	float	V
Time – over-deviation voltage L3 – L1	TIME_MAX_OVERDEVIATION_LL_L3-1	56136	unsigned long	s
Over-deviation voltage L3 – L1	MAX_OVERDEVIATION_LL_L3-1	56138	float	V
	NULL	56140		

Maximum values				
DESCRIPTION	NAME	ADDRESS	TYPE	UNIT
	NULL	56142		
Time – unbalance voltage L1	TIME_MAX_UNBALANCE_LN_L1	56144	unsigned long	s
Unbalance voltage L1	MAX_UNBALANCE_LN_L1	56146	float	%
Time – unbalance voltage L2	TIME_MAX_UNBALANCE_LN_L2	56148	unsigned long	s
Unbalance voltage L2	MAX_UNBALANCE_LN_L2	56150	float	%
Time – unbalance voltage L3	TIME_MAX_UNBALANCE_LN_L3	56152	unsigned long	s
Unbalance voltage L3	MAX_UNBALANCE_LN_L3	56154	float	%
	NULL	56156		
	NULL	56158		
Time – unbalance current L1	TIME_MAX_UNBALANCE_I_L1	56160	unsigned long	s
Unbalance current L1	MAX_UNBALANCE_I_L1	56162	float	%
Time – unbalance current L2	TIME_MAX_UNBALANCE_I_L2	56164	unsigned long	s
Unbalance Current L2	MAX_UNBALANCE_I_L2	56166	float	%
Time – unbalance current L3	TIME_MAX_UNBALANCE_I_L3	56168	unsigned long	s
Unbalance current L3	MAX_UNBALANCE_I_L3	56170	float	%
Time – unbalance current L4	TIME_MAX_UNBALANCE_I_L4	56172	unsigned long	s
Unbalance current L4	MAX_UNBALANCE_I_L4	56174	float	%
Time – ripple control L1	TIME_MAX_RIPPLE_CONTROL_L1	56176	unsigned long	s
Ripple control L1	MAX_RIPPLE_CONTROL_L1	56178	float	V
Time – ripple control L2	TIME_MAX_RIPPLE_CONTROL_L2	56180	unsigned long	s
Ripple control L2	MAX_RIPPLE_CONTROL_L2	56182	float	V
Time – ripple control L3	TIME_MAX_RIPPLE_CONTROL_L3	56184	unsigned long	s
Ripple control L3	MAX_RIPPLE_CONTROL_L3	56186	float	V
	NULL	56188		
	NULL	56190		
Time – current L1	TIME_MAX_PROUD_L1	56192	unsigned long	s
Current L1	MAX_PROUD_L1	56194	float	A
Time – current L2	TIME_MAX_PROUD_L2	56196	unsigned long	s
Current L2	MAX_PROUD_L2	56198	float	A
Time – current L3	TIME_MAX_PROUD_L3	56200	unsigned long	s
Current L3	MAX_PROUD_L3	56202	float	A
Time – current L4	TIME_MAX_PROUD_L4	56204	unsigned long	s
Current L4	MAX_PROUD_L4	56206	float	A
Time – short flicker L1	TIME_MAX_SHORT_FLICKER_L1	56208	unsigned long	s
Short flicker L1	MAX_SHORT_FLICKER_L1	56210	float	
Time – short flicker L2	TIME_MAX_SHORT_FLICKER_L2	56212	unsigned long	s
Short flicker L2	MAX_SHORT_FLICKER_L2	56214	float	
Time – short flicker L3	TIME_MAX_SHORT_FLICKER_L3	56216	unsigned long	s
Short flicker L3	MAX_SHORT_FLICKER_L3	56218	float	
	NULL	56220		
	NULL	56222		
Time – long flicker L1	TIME_MAX_LONG_FLICKER_L1	56224	unsigned long	s
Long flicker L1	MAX_LONG_FLICKER_L1	56226	float	
Time – Long flicker L2	TIME_MAX_LONG_FLICKER_L2	56228	unsigned long	s
Long flicker L2	MAX_LONG_FLICKER_L2	56230	float	
Time – long flicker L3	TIME_MAX_LONG_FLICKER_L3	56232	unsigned long	s
Long flicker L3	MAX_LONG_FLICKER_L3	56234	float	
	NULL	56236		
	NULL	56238		
Time – apparent power L1	TIME_MAX_S_L1	56240	unsigned long	s
Apparent power L1	MAX_S_L1	56242	float	VA
Time – apparent power L2	TIME_MAX_S_L2	56244	unsigned long	s
Apparent power L2	MAX_S_L2	56246	float	VA
Time – apparent power L3	TIME_MAX_S_L3	56248	unsigned long	s
Apparent power L3	MAX_S_L3	56250	float	VA
	NULL	56252		
	NULL	56254		
Time – distortion power L1	TIME_MAX_DISTORTION_POWER_L1	56256	unsigned long	s
Distortion power L1	MAX_DISTORTION_POWER_L1	56258	float	
Time – distortion power L2	TIME_MAX_DISTORTION_POWER_L2	56260	unsigned long	s
Distortion power L2	MAX_DISTORTION_POWER_L2	56262	float	
Time – distortion power L3	TIME_MAX_DISTORTION_POWER_L3	56264	unsigned long	s
Distortion power L3	MAX_DISTORTION_POWER_L3	56266	float	
	NULL	56268		
	NULL	56270		
Time – active power L1 consumption	TIME_MAX_P_CONSUMPTION_L1	56272	unsigned long	s
Active power L1 consumption	MAX_P_CONSUMPTION_L1	56274	float	W
Time – active power L2 consumption	TIME_MAX_P_CONSUMPTION_L2	56276	unsigned long	s
Active power L2 consumption	MAX_P_CONSUMPTION_L2	56278	float	W
Time – active power L3 consumption	TIME_MAX_P_CONSUMPTION_L3	56280	unsigned long	s
Active power L3 consumption	MAX_P_CONSUMPTION_L3	56282	float	W

Maximum values				
DESCRIPTION	NAME	ADDRESS	TYPE	UNIT
	NULL	56284		
	NULL	56286		
Time – inductive reactive power L1 consumption	TIME_MAX_Q_CONSUMPTION_IND_L1	56288	unsigned long	s
Inductive reactive power L1 consumption	MAX_Q_CONSUMPTION_IND_L1	56290	float	var
Time – inductive reactive power L2 consumption	TIME_MAX_Q_CONSUMPTION_IND_L2	56292	unsigned long	s
Inductive reactive power L2 consumption	MAX_Q_CONSUMPTION_IND_L2	56294	float	var
Time – inductive reactive power L3 consumption	TIME_MAX_Q_CONSUMPTION_IND_L3	56296	unsigned long	s
Inductive reactive power L3 consumption	MAX_Q_CONSUMPTION_IND_L3	56298	float	var
	NULL	56300		
	NULL	56302		
Time – capacitive reactive power L1 consumption	TIME_MAX_Q_CONSUMPTION_CAP_L1	56304	unsigned long	s
Capacitive reactive power L1 consumption	MAX_Q_CONSUMPTION_CAP_L1	56306	float	var
Time – capacitive reactive power L2 consumption	TIME_MAX_Q_CONSUMPTION_CAP_L2	56308	unsigned long	s
Capacitive reactive power L2 consumption	MAX_Q_CONSUMPTION_CAP_L2	56310	float	var
Time – capacitive reactive power L3 consumption	TIME_MAX_Q_CONSUMPTION_CAP_L3	56312	unsigned long	s
Capacitive reactive power L3 consumption	MAX_Q_CONSUMPTION_CAP_L3	56314	float	var
	NULL	56316		
	NULL	56318		
Time – active power L1 supply	TIME_MAX_P_DISTRIBUTION_L1	56320	unsigned long	s
Active power L1 supply	MAX_P_DISTRIBUTION_L1	56322	float	W
Time – active power L2 supply	TIME_MAX_P_DISTRIBUTION_L2	56324	unsigned long	s
Active power L2 supply	MAX_P_DISTRIBUTION_L2	56326	float	W
Time – active power L3 supply	TIME_MAX_P_DISTRIBUTION_L3	56328	unsigned long	s
Active power L3 supply	MAX_P_DISTRIBUTION_L3	56330	float	W
	NULL	56332		
	NULL	56334		
Time – inductive reactive power L1 supply	TIME_MAX_Q_DISTRIBUTION_IND_L1	56336	unsigned long	s
Inductive reactive power L1 supply	MAX_Q_DISTRIBUTION_IND_L1	56338	float	var
Time – inductive reactive power L2 supply	TIME_MAX_Q_DISTRIBUTION_IND_L2	56340	unsigned long	s
Inductive reactive power L2 supply	MAX_Q_DISTRIBUTION_IND_L2	56342	float	var
Time – inductive reactive power L3 supply	TIME_MAX_Q_DISTRIBUTION_IND_L3	56344	unsigned long	s
Inductive reactive power L3 supply	MAX_Q_DISTRIBUTION_IND_L3	56346	float	var
	NULL	56348		
	NULL	56350		
Time – capacitive reactive power L1 supply	TIME_MAX_Q_DISTRIBUTION_CAP_L1	56352	unsigned long	s
Capacitive reactive power L1 supply	MAX_Q_DISTRIBUTION_CAP_L1	56354	float	var
Time – capacitive reactive power L2 supply	TIME_MAX_Q_DISTRIBUTION_CAP_L2	56356	unsigned long	s
Capacitive reactive power L2 supply	MAX_Q_DISTRIBUTION_CAP_L2	56358	float	var
Time – capacitive reactive power L3 supply	TIME_MAX_Q_DISTRIBUTION_CAP_L3	56360	unsigned long	s
Capacitive reactive power L3 supply	MAX_Q_DISTRIBUTION_CAP_L3	56362	float	var
	NULL	56364		
	NULL	56366		
	NULL	56368		
	NULL	56370		
	NULL	56372		
	NULL	56374		
	NULL	56376		
	NULL	56378		
	NULL	56380		
	NULL	56382		
Time – frequency	TIME_FREQUENCY	56384	unsigned long	s
Frequency	MAX_FREQUENCY	56386	float	Hz
	NULL	56388		
	NULL	56390		
	NULL	56392		
	NULL	56394		
	NULL	56396		
	NULL	56398		
Time – apparent power L1..L3	TIME_MAX_SUMA_S_3F	56400	unsigned long	s
Apparent power L1..L3	MAX_SUMA_S_3F	56402	float	VA
	NULL	56404		
	NULL	56406		
	NULL	56408		
	NULL	56410		
	NULL	56412		
	NULL	56414		
	NULL	56416		
	NULL	56418		
	NULL	56420		
	NULL	56422		
	NULL	56424		

Maximum values				
DESCRIPTION	NAME	ADDRESS	TYPE	UNIT
	NULL	56426		
	NULL	56428		
	NULL	56430		
Time – active power L1..L3 consumption	TIME_MAX_P_SUMA_CONSUMPTION_3F	56432	unsigned long	s
Active power L1..L3 consumption	MAX_P_SUMA_CONSUMPTION_3F	56434	float	W
	NULL	56436		
	NULL	56438		
	NULL	56440		
	NULL	56442		
	NULL	56444		
	NULL	56446		
Time – inductive reactive power L1..L3 consumption	TIME_MAX_Q_SUMA_CONSUMPTION_IND_3F	56448	unsigned long	s
Inductive reactive power L1..L3 consumption	MAX_Q_SUMA_CONSUMPTION_IND_3F	56450	float	var
	NULL	56452		
	NULL	56454		
	NULL	56456		
	NULL	56458		
	NULL	56460		
	NULL	56462		
Time – capacitive reactive power L1..L3 consumption	TIME_MAX_Q_SUMA_CONSUMPTION_CAP_3F	56464	unsigned long	s
Capacitive reactive power L1..L3 consumption	MAX_Q_SUMA_CONSUMPTION_CAP_3F	56466	float	var
	NULL	56468		
	NULL	56470		
	NULL	56472		
	NULL	56474		
	NULL	56476		
	NULL	56478		
Time – active power L1..L3 supply	TIME_MAX_P_SUMA_DISTRIBUTION_3F	56480	unsigned long	s
Active power L1..L3 supply	MAX_P_SUMA_DISTRIBUTION_3F	56482	float	W
	NULL	56484		
	NULL	56486		
	NULL	56488		
	NULL	56490		
	NULL	56492		
	NULL	56494		
Time – inductive reactive power L1..L3 supply	TIME_MAX_Q_SUMA_DISTRIBUTION_IND_3F	56496	unsigned long	s
Inductive reactive power L1..L3 supply	MAX_Q_SUMA_DISTRIBUTION_IND_3F	56498	float	var
	NULL	56500		
	NULL	56502		
	NULL	56504		
	NULL	56506		
	NULL	56508		
	NULL	56510		
Time – capacitive reactive power L1..L3 supply	TIME_MAX_Q_SUMA_DISTRIBUTION_CAP_3F	56512	unsigned long	s
Capacitive reactive power L1..L3 supply	MAX_Q_SUMA_DISTRIBUTION_CAP_3F	56514	float	var

TIME_time is a moment of maximum or minimum capturing. It is UTC time counted from year 2000.

IMPORTANT: It is necessary to consider leap years!!

Minimum values				
DESCRIPTION	NAME	ADDRESS	TYPE	UNIT
Time – voltage L1	TIME_MIN_U_LN_L1	57000	unsigned long	s
Voltage L1	MIN_U_LN_L1	57002	float	V
Time – voltage L2	TIME_MIN_U_LN_L2	57004	unsigned long	s
Voltage L2	MIN_U_LN_L2	57006	float	V
Time – voltage L3	TIME_MIN_U_LN_L3	57008	unsigned long	s
Voltage L3	MIN_U_LN_L3	57010	float	V
	NULL	57012		
	NULL	57014		
Time – voltage L1 – L2	TIME_MIN_U_LL_L1-2	57016	unsigned long	s
Voltage L1 – L2	MIN_U_LL_L1-2	57018	float	V
Time – voltage L2 – L3	TIME_MIN_U_LL_L2-3	57020	unsigned long	s
Voltage L2 – L3	MIN_U_LL_L2-3	57022	float	V
Time – voltage L3 – L1	TIME_MIN_U_LL_L3-1	57024	unsigned long	s
Voltage L3 – L1	MIN_U_LL_L3-1	57026	float	V
	NULL	57028		
	NULL	57030		
Time – voltage THD L1	TIME_MIN_THDU_LN_L1	57032	unsigned long	s
Voltage THD L1	MIN_THDU_LN_L1	57034	float	%
Time – voltage THD L2	TIME_MIN_THDU_LN_L2	57036	unsigned long	s
Voltage THD L2	MIN_THDU_LN_L2	57038	float	%
Time – voltage THD L3	TIME_MIN_THDU_LN_L3	57040	unsigned long	s
Voltage THD L3	MIN_THDU_LN_L3	57042	float	%
	NULL	57044		
	NULL	57046		
Time – voltage THD L1 – L2	TIME_MIN_THDU_LL_L1-2	57048	unsigned long	s
Voltage THD L1 – L2	MIN_THDU_LL_L1-2	57050	float	%
Time – voltage THD L2 – L3	TIME_MIN_THDU_LL_L2-3	57052	unsigned long	s
Voltage L2 – L3	MIN_THDU_LL_L2-3	57054	float	%
Time – voltage THD L3 – L1	TIME_MIN_THDU_LL_L3-1	57056	unsigned long	s
Voltage THD L3 – L1	MIN_THDU_LL_3-1	57058	float	%
	NULL	57060		
	NULL	57062		
Time – current THD L1	TIME_MIN_THDI_L1	57064	unsigned long	s
Current THD L1	MIN_THDI_L1	57066	float	%
Time – current THD L2	TIME_MIN_THDI_L2	57068	unsigned long	s
Current THD L2	MIN_THDI_L2	57070	float	%
Time – current THD L3	TIME_MIN_THDI_L3	57072	unsigned long	s
Current THD L3	MIN_THDI_L3	57074	float	%
Time – current THD L4	TIME_MIN_THDI_L4	57076	unsigned long	s
Current THD L4	MIN_THDI_L4	57078	float	%
Time – under-deviation voltage L1	TIME_MIN_UNDERDEVIATION_LN_L1	57080	unsigned long	s
Under-deviation voltage L1	MIN_UNDERDEVIATION_LN_L1	57082	float	V
Time – under-deviation voltage L2	TIME_MIN_UNDERDEVIATION_LN_L2	57084	unsigned long	s
Under-deviation voltage L2	MIN_UNDERDEVIATION_LN_L2	57086	float	V
Time – under-deviation voltage L3	TIME_MIN_UNDERDEVIATION_LN_L3	57088	unsigned long	s
Under-deviation voltage L3	MIN_UNDERDEVIATION_LN_L3	57090	float	V
	NULL	57092		
	NULL	57094		
Time – over-deviation voltage L1	TIME_MIN_OVERDEVIATION_LN_L1	57096	unsigned long	s
Over-deviation voltage L1	MIN_OVERDEVIATION_LN_L1	57098	float	V
Time – over-deviation voltage L2	TIME_MIN_OVERDEVIATION_LN_L2	57100	unsigned long	s
Over-deviation voltage L2	MIN_OVERDEVIATION_LN_L2	57102	float	V
Time – Over-deviation voltage L3	TIME_MIN_OVERDEVIATION_LN_L3	57104	unsigned long	s
Over-deviation voltage L3	MIN_OVERDEVIATION_LN_L3	57106	float	V
	NULL	57108		
	NULL	57110		
Time – under-deviation voltage L1 – L2	TIME_MIN_UNDERDEVIATION_LL_L1-2	57112	unsigned long	s
Under-deviation voltage L1 – L2	MIN_UNDERDEVIATION_LL_L1-2	57114	float	V
Time – under-deviation voltage L2 – L3	TIME_MIN_UNDERDEVIATION_LL_L2-3	57116	unsigned long	s
Under-deviation voltage L2 – L3	MIN_UNDERDEVIATION_LL_L2-3	57118	float	V
Time – under-deviation voltage L3 – L1	TIME_MIN_UNDERDEVIATION_LL_L3-1	57120	unsigned long	s
Under-deviation voltage L3 – L1	MIN_UNDERDEVIATION_LL_L3-1	57122	float	V
	NULL	57124		
	NULL	57126		
Time – over-deviation voltage L1 – L2	TIME_MIN_OVERDEVIATION_LL_L1-2	57128	unsigned long	s
Over-deviation voltage L1 – L2	MIN_OVERDEVIATION_LL_L1-2	57130	float	V
Time – over-deviation voltage L2 – L3	TIME_MIN_OVERDEVIATION_LL_L2-3	57132	unsigned long	s
Over-deviation voltage L2 – L3	MIN_OVERDEVIATION_LL_L2-3	57134	float	V
Time – over-deviation voltage L3 – L1	TIME_MIN_OVERDEVIATION_LL_L3-1	57136	unsigned long	s
Over-deviation voltage L3 – L1	MIN_OVERDEVIATION_LL_L3-1	57138	float	V
	NULL	57140		

Minimum values				
DESCRIPTION	NAME	ADDRESS	TYPE	UNIT
	NULL	57142		
Time – unbalance voltage L1	TIME_MIN_UNBALANCE_LN_L1	57144	unsigned long	s
Unbalance voltage L1	MIN_UNBALANCE_LN_L1	57146	float	%
Time – unbalance voltage L2	TIME_MIN_UNBALANCE_LN_L2	57148	unsigned long	s
Unbalance voltage L2	MIN_UNBALANCE_LN_L2	57150	float	%
Time – unbalance voltage L3	TIME_MIN_UNBALANCE_LN_L3	57152	unsigned long	s
Unbalance voltage L3	MIN_UNBALANCE_LN_L3	57154	float	%
	NULL	57156		
	NULL	57158		
Time – unbalance current L1	TIME_MIN_UNBALANCE_I_L1	57160	unsigned long	s
Unbalance current L1	MIN_UNBALANCE_I_L1	57162	float	%
Time – unbalance current L2	TIME_MIN_UNBALANCE_I_L2	57164	unsigned long	s
Unbalance Current L2	MIN_UNBALANCE_I_L2	57166	float	%
Time – unbalance current L3	TIME_MIN_UNBALANCE_I_L3	57168	unsigned long	s
Unbalance current L3	MIN_UNBALANCE_I_L3	57170	float	%
Time – unbalance current L4	TIME_MIN_UNBALANCE_I_L4	57172	unsigned long	s
Unbalance current L4	MIN_UNBALANCE_I_L4	57174	float	%
Time – ripple control L1	TIME_MIN_RIPPLE_CONTROL_L1	57176	unsigned long	s
Ripple control L1	MIN_RIPPLE_CONTROL_L1	57178	float	V
Time – ripple control L2	TIME_MIN_RIPPLE_CONTROL_L2	57180	unsigned long	s
Ripple control L2	MIN_RIPPLE_CONTROL_L2	57182	float	V
Time – ripple control L3	TIME_MIN_RIPPLE_CONTROL_L3	57184	unsigned long	s
Ripple control L3	MIN_RIPPLE_CONTROL_L3	57186	float	V
	NULL	57188		
	NULL	57190		
Time – inductive cosφ L1 consumption	TIME_MIN_COS_FI_CONSUMPTION_IND_L1	57192	unsigned long	s
Inductive cosφ L1 consumption	MIN_COS_FI_CONSUMPTION_IND_L1	57194	float	
Time – inductive cosφ L2 consumption	TIME_MIN_COS_FI_CONSUMPTION_IND_L2	57196	unsigned long	s
Inductive cosφ L2 consumption	MIN_COS_FI_CONSUMPTION_IND_L2	57198	float	
Time – inductive cosφ L3 consumption	TIME_MIN_COS_FI_CONSUMPTION_IND_L3	57200	unsigned long	s
Inductive cosφ L3 consumption	MIN_COS_FI_CONSUMPTION_IND_L3	57202	float	
	NULL	57204		
	NULL	57206		
Time – inductive power-factor L1 consumption	TIME_MIN_POWERFACTOR_CONSUMPTION_IND_L1	57208	unsigned long	s
Inductive power-factor L1 consumption	MIN_POWERFACTOR_CONSUMPTION_IND_L1	57210	float	
Time – inductive power-factor L2 consumption	TIME_MIN_POWERFACTOR_CONSUMPTION_IND_L2	57212	unsigned long	s
Inductive power-factor L2 consumption	MIN_POWERFACTOR_CONSUMPTION_IND_L2	57214	float	
Time – inductive power-factor L3 consumption	TIME_MIN_POWERFACTOR_CONSUMPTION_IND_L3	57216	unsigned long	s
Inductive power-factor L3 consumption	MIN_POWERFACTOR_CONSUMPTION_IND_L3	57218	float	
	NULL	57220		
	NULL	57222		
Time – capacitive cosφ L1 consumption	TIME_MIN_COS_FI_CONSUMPTION_CAP_L1	57224	unsigned long	s
Capacitive cosφ L1 consumption	MIN_COS_FI_CONSUMPTION_CAP_L1	57226	float	
Time – capacitive cosφ L2 consumption	TIME_MIN_COS_FI_CONSUMPTION_CAP_L2	57228	unsigned long	s
Capacitive cosφ L2 consumption	MIN_COS_FI_CONSUMPTION_CAP_L2	57230	float	
Time – capacitive cosφ L3 consumption	TIME_MIN_COS_FI_CONSUMPTION_CAP_L3	57232	unsigned long	s
Capacitive cosφ L3 consumption	MIN_COS_FI_CONSUMPTION_CAP_L3	57234	float	
	NULL	57236		
	NULL	57238		
Time – capacitive power-factor L1 consumption	TIME_MIN_POWERFACTOR_CONSUMPTION_CAP_L1	57240	unsigned long	s
Capacitive power-factor L1 consumption	MIN_POWERFACTOR_CONSUMPTION_CAP_L1	57242	float	
Time – capacitive power-factor L2 consumption	TIME_MIN_POWERFACTOR_CONSUMPTION_CAP_L2	57244	unsigned long	s
Capacitive power-factor L2 consumption	MIN_POWERFACTOR_CONSUMPTION_CAP_L2	57246	float	
Time – capacitive power-factor L3 consumption	TIME_MIN_POWERFACTOR_CONSUMPTION_CAP_L3	57248	unsigned long	s
Capacitive power-factor L3 consumption	MIN_POWERFACTOR_CONSUMPTION_CAP_L3	57250	float	
	NULL	57252		
	NULL	57254		
Time – inductive cosφ L1 supply	TIME_MIN_COS_FI_DISTRIBUTION_IND_L1	57256	unsigned long	s
Inductive cosφ L1 supply	MIN_COS_FI_DISTRIBUTION_IND_L1	57258	float	
Time – inductive cosφ L2 supply	TIME_MIN_COS_FI_DISTRIBUTION_IND_L2	57260	unsigned long	s
Inductive cosφ L2 supply	MIN_COS_FI_DISTRIBUTION_IND_L2	57262	float	
Time – inductive cosφ L3 supply	TIME_MIN_COS_FI_DISTRIBUTION_IND_L3	57264	unsigned long	s
Inductive cosφ L3 supply	MIN_COS_FI_DISTRIBUTION_IND_L3	57266	float	
	NULL	57268		
	NULL	57270		
Time – inductive power-factor L1 supply	TIME_MIN_POWERFACTOR_DISTRIBUTION_IND_L1	57272	unsigned long	s
Inductive power-factor L1 supply	MIN_POWERFACTOR_DISTRIBUTION_IND_L1	57274	float	
Time – inductive power-factor L2 supply	TIME_MIN_POWERFACTOR_DISTRIBUTION_IND_L2	57276	unsigned long	s
Inductive power-factor L2 supply	MIN_POWERFACTOR_DISTRIBUTION_IND_L2	57278	float	
Time – inductive power-factor L3 supply	TIME_MIN_POWERFACTOR_DISTRIBUTION_IND_L3	57280	unsigned long	s
Inductive power-factor L3 supply	MIN_POWERFACTOR_DISTRIBUTION_IND_L3	57282	float	

Minimum values				
DESCRIPTION	NAME	ADDRESS	TYPE	UNIT
	NULL	57284		
	NULL	57286		
Time – capacitive cosφ L1 supply	TIME_MIN_COS_FI_DISTRIBUTION_CAP_L1	57288	unsigned long	s
Capacitive cosφ L1 supply	MIN_COS_FI_DISTRIBUTION_CAP_L1	57290	float	
Time – capacitive cosφ L2 supply	TIME_MIN_COS_FI_DISTRIBUTION_CAP_L2	57292	unsigned long	s
Capacitive cosφ L2 supply	MIN_COS_FI_DISTRIBUTION_CAP_L2	57294	float	
Time – capacitive cosφ L3 supply	TIME_MIN_COS_FI_DISTRIBUTION_CAP_L3	57296	unsigned long	s
Capacitive cosφ L3 supply	MIN_COS_FI_DISTRIBUTION_CAP_L3	57298	float	
	NULL	57300		
	NULL	57302		
Time – capacitive power-factor L1 supply	TIME_MIN_POWERFACTOR_DISTRIBUTION_CAP_L1	57304	unsigned long	s
Capacitive power-factor L1 supply	MIN_POWERFACTOR_DISTRIBUTION_CAP_L1	57306	float	
Time – capacitive power-factor L2 supply	TIME_MIN_POWERFACTOR_DISTRIBUTION_CAP_L2	57308	unsigned long	s
Capacitive power-factor L2 supply	MIN_POWERFACTOR_DISTRIBUTION_CAP_L2	57310	float	
Time – capacitive power-factor L3 supply	TIME_MIN_POWERFACTOR_DISTRIBUTION_CAP_L3	57312	unsigned long	s
Capacitive power-factor L3 supply	MIN_POWERFACTOR_DISTRIBUTION_CAP_L3	57314	float	
	NULL	57316		
	NULL	57318		
	NULL	57320		
	NULL	57322		
	NULL	57324		
	NULL	57326		
	NULL	57328		
	NULL	57330		
	NULL	57332		
	NULL	57334		
Time – frequency	TIME_MIN_FREQUENCY	57336	unsigned long	s
Frequency	MIN_FREQUENCY	57338	float	Hz
	NULL	57340		
	NULL	57342		
	NULL	57344		
	NULL	57346		
	NULL	57348		
	NULL	57350		
Time – inductive power-factor L1..L3 consumption	TIME_MIN_POWERFACTOR_CONSUMPTION_IND_3F	57352	unsigned long	s
Inductive power-factor L1..L3 consumption	MIN_POWERFACTOR_CONSUMPTION_IND_3F	57354	float	
	NULL	57356		
	NULL	57358		
	NULL	57360		
	NULL	57362		
	NULL	57364		
	NULL	57366		
Time – capacitive power-factor L1..L3 consumption	TIME_MIN_POWERFACTOR_CONSUMPTION_CAP_3F	57368	unsigned long	s
Capacitive power-factor L1..L3 consumption	MIN_POWERFACTOR_CONSUMPTION_CAP_3F	57370	float	
	NULL	57372		
	NULL	57374		
	NULL	57376		
	NULL	57378		
	NULL	57380		
	NULL	57382		
Time – inductive power-factor L1..L3 supply	TIME_MIN_POWERFACTOR_DISTRIBUTION_IND_3F	57384	unsigned long	s
Inductive power-factor L1..L3 supply	MIN_POWERFACTOR_DISTRIBUTION_IND_3F	57386	float	
	NULL	57388		
	NULL	57390		
	NULL	57392		
	NULL	57394		
	NULL	57396		
	NULL	57398		
Time – capacitive power-factor L1..L3 supply	TIME_MIN_POWERFACTOR_DISTRIBUTION_CAP_3F	57400	unsigned long	s
Capacitive power-factor L1..L3 supply	MIN_POWERFACTOR_DISTRIBUTION_CAP_3F	57402	float	

TIME_time is a moment of maximum or minimum capturing. It is UTC time counted from year 2000.

IMPORTANT: It is necessary to consider leap years!!

Average values				
DESCRIPTION	NAME	ADDRESS	TYPE	UNIT
Voltage L1	AVG_U_LN_L1	58000	float	V
Voltage L2	AVG_U_LN_L2	58002	float	V
Voltage L3	AVG_U_LN_L3	58004	float	V
	NULL	58006		
Voltage L1 – L2	AVG_U_LL_L1-2	58008	float	V
Voltage L2 – L3	AVG_U_LL_L2-3	58010	float	V
Voltage L3 – L1	AVG_U_LL_L3-1	58012	float	V
	NULL	58014		
Voltage THD L1	AVG_THDU_LN_L1	58016	float	%
Voltage THD L2	AVG_THDU_LN_L2	58018	float	%
Voltage THD L3	AVG_THDU_LN_L3	58020	float	%
	NULL	58022		
Voltage THD L1 – L2	AVG_THDU_LL_L1-2	58024	float	%
Voltage THD L2 – L3	AVG_THDU_LL_L2-3	58026	float	%
Voltage THD L3 – L1	AVG_THDU_LL_L3-1	58028	float	%
	NULL	58030		
Current THD L1	AVG_THDI_L1	58032	float	%
Current THD L2	AVG_THDI_L2	58034	float	%
Current THD L3	AVG_THDI_L3	58036	float	%
Current THD L4	AVG_THDI_L4	58038	float	%
Under-deviation voltage L1	AVG_UNDERDEVIATION_LN_L1	58040	float	V
Under-deviation voltage L2	AVG_UNDERDEVIATION_LN_L2	58042	float	V
Under-deviation voltage L3	AVG_UNDERDEVIATION_LN_L3	58044	float	V
	NULL	58046		
Over-deviation voltage L1	AVG_OVERDEVIATION_LN_L1	58048	float	V
Over-deviation voltage L2	AVG_OVERDEVIATION_LN_L2	58050	float	V
Over-deviation voltage L3	AVG_OVERDEVIATION_LN_L3	58052	float	V
	NULL	58054		
Under-deviation voltage L1 – L2	AVG_UNDERDEVIATION_LL_L1-2	58056	float	V
Under-deviation voltage L2 – L3	AVG_UNDERDEVIATION_LL_L2-3	58058	float	V
Under-deviation voltage L3 – L1	AVG_UNDERDEVIATION_LL_L3-1	58060	float	V
	NULL	58062		
Over-deviation voltage L1 – L2	AVG_OVERDEVIATION_LL_L1-2	58064	float	V
Over-deviation voltage L2 – L3	AVG_OVERDEVIATION_LL_L2-3	58066	float	V
Over-deviation voltage L3 – L1	AVG_OVERDEVIATION_LL_L3-1	58068	float	V
	NULL	58070		
Unbalance voltage L1	AVG_UNBALANCE_LN_L1	58072	float	%
Unbalance voltage L2	AVG_UNBALANCE_LN_L2	58074	float	%
Unbalance voltage L3	AVG_UNBALANCE_LN_L3	58076	float	%
	NULL	58078		
Unbalance current L1	AVG_UNBALANCE_I_L1	58080	float	%
Unbalance current L2	AVG_UNBALANCE_I_L2	58082	float	%
Unbalance current L3	AVG_UNBALANCE_I_L3	58084	float	%
Unbalance current L4	AVG_UNBALANCE_I_L4	58086	float	%
Ripple control L1	AVG_RIPPLE_CONTROL_L1	58088	float	V
Ripple control L2	AVG_RIPPLE_CONTROL_L2	58090	float	V
Ripple control L3	AVG_RIPPLE_CONTROL_L3	58092	float	V
	NULL	58094		
	NULL	58096		
	NULL	58098		
	NULL	58100		
	NULL	58102		
Frequency	AVG_FREQUENCY	58104	float	Hz
	NULL	58106		
	NULL	58108		
	NULL	58110		
Current L1	AVG_CURRENT_L1	58112	float	A
Current L2	AVG_CURRENT_L2	58114	float	A
Current L3	AVG_CURRENT_L3	58116	float	A
Current L4	AVG_CURRENT_L4	58118	float	A
Active power L1 consumption	AVG_P_CONSUMPTION_L1	58120	float	W
Active power L2 consumption	AVG_P_CONSUMPTION_L2	58122	float	W
Active power L3 consumption	AVG_P_CONSUMPTION_L3	58124	float	W
	NULL	58126		
Active power L1 supply	AVG_P_DISTRIBUTION_L1	58128	float	W
Active power L2 supply	AVG_P_DISTRIBUTION_L2	58130	float	W
Active power L3 supply	AVG_P_DISTRIBUTION_L3	58132	float	W
	NULL	58134		
Inductive reactive power L1 consumption	AVG_Q_CONSUMPTION_IND_L1	58136	float	var
Inductive reactive power L2 consumption	AVG_Q_CONSUMPTION_IND_L2	58138	float	var
Inductive reactive power L3 consumption	AVG_Q_CONSUMPTION_IND_L3	58140	float	var

Average values				
DESCRIPTION	NAME	ADDRESS	TYPE	UNIT
	NULL	58142		
Capacitive reactive power L1 consumption	AVG_Q_CONSUMPTION_CAP_L1	58144	float	var
Capacitive reactive power L2 consumption	AVG_Q_CONSUMPTION_CAP_L2	58146	float	var
Capacitive reactive power L3 consumption	AVG_Q_CONSUMPTION_CAP_L3	58148	float	var
	NULL	58150		
Inductive reactive power L1 supply	AVG_Q_DISTRIBUTION_IND_L1	58152	float	var
Inductive reactive power L2 supply	AVG_Q_DISTRIBUTION_IND_L2	58154	float	var
Inductive reactive power L3 supply	AVG_Q_DISTRIBUTION_IND_L3	58156	float	var
	NULL	58158		
Capacitive reactive power L1 supply	AVG_Q_DISTRIBUTION_CAP_L1	58160	float	var
Capacitive reactive power L2 supply	AVG_Q_DISTRIBUTION_CAP_L2	58162	float	var
Capacitive reactive power L3 supply	AVG_Q_DISTRIBUTION_CAP_L3	58164	float	var
	NULL	58166		
Apparent power L1	AVG_S_L1	58168	float	VA
Apparent power L2	AVG_S_L2	58170	float	VA
Apparent power L3	AVG_S_L3	58172	float	VA
	NULL	58174		
Active power L1..L3 consumption	AVG_P_SUMA_CONSUMPTION_3F	58176	float	W
	NULL	58178		
	NULL	58180		
	NULL	58182		
Inductive reactive power L1..L3 consumption	AVG_Q_SUMA_CONSUMPTION_IND_3F	58184	float	var
	NULL	58186		
	NULL	58188		
	NULL	58190		
Capacitive reactive power L1..L3 consumption	AVG_Q_SUMA_CONSUMPTION_CAP_3F	58192	float	var
	NULL	58194		
	NULL	58196		
	NULL	58198		
Active power L1..L3 supply	AVG_P_SUMA_DISTRIBUTION_3F	58200	float	W
	NULL	58202		
	NULL	58204		
	NULL	58206		
Inductive reactive power L1..L3 supply	AVG_Q_SUMA_DISTRIBUTION_IND_3F	58208	float	var
	NULL	58210		
	NULL	58212		
	NULL	58214		
Capacitive reactive power L1..L3 supply	AVG_Q_SUMA_DISTRIBUTION_CAP_3F	58216	float	var
	NULL	58218		
	NULL	58220		
	NULL	58222		
	NULL	58224		
	NULL	58226		
	NULL	58228		
	NULL	58230		
	NULL	58232		
	NULL	58234		
	NULL	58236		
	NULL	58238		
	NULL	58240		
	NULL	58242		
	NULL	58244		
	NULL	58246		
	NULL	58248		
	NULL	58250		
	NULL	58252		
	NULL	58254		
	NULL	58256		
	NULL	58258		
	NULL	58260		
	NULL	58262		
	NULL	58264		
	NULL	58266		
	NULL	58268		
	NULL	58270		
Apparent power L1..L3	AVG_SUMA_S_3F	58272	float	VA
	NULL	58274		
	NULL	58276		
	NULL	58278		
	NULL	58280		
	NULL	58282		

Average values				
DESCRIPTION	NAME	ADDRESS	TYPE	UNIT
	NULL	58284		
	NULL	58286		
Distortion power L1	AVG_DISTORTION_POWER_L1	58288	float	
Distortion power L2	AVG_DISTORTION_POWER_L2	58290	float	
Distortion power L3	AVG_DISTORTION_POWER_L3	58292	float	
	NULL	58294		
Inductive cosφ L1 consumption	AVG_SV_COS_FI_CONSUMPTION_IND_L1	58296	float	
Inductive cosφ L2 consumption	AVG_SV_COS_FI_CONSUMPTION_IND_L2	58298	float	
Inductive cosφ L3 consumption	AVG_SV_COS_FI_CONSUMPTION_IND_L3	58300	float	
	NULL	58302		
Capacitive cosφ L1 consumption	AVG_SV_COS_FI_CONSUMPTION_CAP_L1	58304	float	
Capacitive cosφ L2 consumption	AVG_SV_COS_FI_CONSUMPTION_CAP_L2	58306	float	
Capacitive cosφ L3 consumption	AVG_SV_COS_FI_CONSUMPTION_CAP_L3	58308	float	
	NULL	58310		
Inductive cosφ L1 supply	AVG_SV_COS_FI_DISTRIBUTION_IND_L1	58312	float	
Inductive cosφ L2 supply	AVG_SV_COS_FI_DISTRIBUTION_IND_L2	58314	float	
Inductive cosφ L3 supply	AVG_SV_COS_FI_DISTRIBUTION_IND_L3	58316	float	
	NULL	58318		
Capacitive cosφ L1 supply	AVG_SV_COS_FI_DISTRIBUTION_CAP_L1	58320	float	
Capacitive cosφ L2 supply	AVG_SV_COS_FI_DISTRIBUTION_CAP_L2	58322	float	
Capacitive cosφ L3 supply	AVG_SV_COS_FI_DISTRIBUTION_CAP_L3	58324	float	
	NULL	58326		
Inductive power-factor L1 consumption	AVG_SV_POWERFACTOR_CONSUMPTION_IND_L1	58328	float	
Inductive power-factor L2 consumption	AVG_SV_POWERFACTOR_CONSUMPTION_IND_L2	58330	float	
Inductive power-factor L3 consumption	AVG_SV_POWERFACTOR_CONSUMPTION_IND_L3	58332	float	
	NULL	58334		
Capacitive power-factor L1 consumption	AVG_SV_POWERFACTOR_CONSUMPTION_CAP_L1	58336	float	
Capacitive power-factor L2 consumption	AVG_SV_POWERFACTOR_CONSUMPTION_CAP_L2	58338	float	
Capacitive power-factor L3 consumption	AVG_SV_POWERFACTOR_CONSUMPTION_CAP_L3	58340	float	
	NULL	58342		
Inductive power-factor L1 supply	AVG_SV_POWERFACTOR_DISTRIBUTION_IND_L1	58344	float	
Inductive power-factor L2 supply	AVG_SV_POWERFACTOR_DISTRIBUTION_IND_L2	58346	float	
Inductive power-factor L3 supply	AVG_SV_POWERFACTOR_DISTRIBUTION_IND_L3	58348	float	
	NULL	58350		
Capacitive power-factor L1 supply	AVG_SV_POWERFACTOR_DISTRIBUTION_CAP_L1	58352	float	
Capacitive power-factor L2 supply	AVG_SV_POWERFACTOR_DISTRIBUTION_CAP_L2	58354	float	
Capacitive power-factor L3 supply	AVG_SV_POWERFACTOR_DISTRIBUTION_CAP_L3	58356	float	
	NULL	58358		
Inductive power-factor L1..L3 consumption	G_SV_POWERFACTOR_SUMA_3F_CONSUMPTION_I	58360	float	
	NULL	58362		
	NULL	58364		
	NULL	58366		
Capacitive power-factor L1..L3 consumption	G_SV_POWERFACTOR_SUMA_3F_CONSUMPTION_C	58368	float	
	NULL	58370		
	NULL	58372		
	NULL	58374		
Inductive power-factor L1..L3 supply	G_SV_POWERFACTOR_SUMA_3F_DISTRIBUTION_I	58376	float	
	NULL	58378		
	NULL	58380		
	NULL	58382		
Capacitive power-factor L1..L3 supply	G_SV_POWERFACTOR_SUMA_3F_DISTRIBUTION_C	58384	float	

Comparators				
DESCRIPTION	NAME	ADDRESS	TYPE	UNIT
Comparator – 1		59000	unsigned short	1 – Alarm, 0 – Ok
Comparator – 2		59001	unsigned short	1 – Alarm, 0 – Ok
Comparator – 3		59002	unsigned short	1 – Alarm, 0 – Ok
Comparator – 4		59003	unsigned short	1 – Alarm, 0 – Ok
Comparator – 5		59004	unsigned short	1 – Alarm, 0 – Ok
Comparator – 6		59005	unsigned short	1 – Alarm, 0 – Ok

Inputs/Outputs				
DESCRIPTION	NAME	ADDRESS	TYPE	UNIT
Input/Output – 1		59006	unsigned long	
Input/Output – 2		59018	unsigned long	

MotoHours				
DESCRIPTION	NAME	ADDRESS	TYPE	UNIT
MotoHours		60000	unsigned long	seconds

16 (0x10) – Write Multiple Registers

Erase values				
DESCRIPTION	NAME	ADDRESS	TYPE	UNIT
Erase energy		35000	unsigned long	1 – erase
Erase MotoHours		35002	unsigned long	1 – erase