

PLA33RX

**Modbus registers
FW version 1.00.00 and newer**

File version: 1.1

Modbus

PLA33RX podporuje následující modbus funkce:

- 03 (0x03) – Read Holding Registers
- 16 (0x10) – Write Multiple Registers
- 23 (0x17) – Read/Write Multiple Registers

Formát dat:

Zařízení podporuje datový formát Big-Endian (high-byte před low-byte).

Formát čísel:

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}	$2^{63}-1$

Čtení dat z paměti flash

Přístroj může být volitelně vybaven 1GB pamětí flash pro ukládání naměřených dat. Vyčítání paměti přístroje probíhá pomocí standardních funkcí MODBUS, popsanych níže.

Struktura paměti

Přístroj dovoluje ukládat do datové paměti flash dva typy dat – měřené parametry sítě a hodnoty elektroměrů.

Měřené parametry sítě – Přístroj počítá aktuální parametry sítě v navzájem navazujících oknech každých 200ms. Uživatel si může zvolit časový interval a hodnoty, které bude přístroj ukládat do paměti flash. Do paměti flash se ukládají průměrné hodnoty vypočtené z aktuálních hodnot mezi jednotlivými intervaly ukládání. Uživatel si dále může zvolit, zda s průměrnou hodnotou ukládat také minimum a maximum aktuální hodnoty, které nastalo mezi intervaly ukládání.

Hodnoty elektroměrů – V uživatelem nastavených časových intervalech (nejčastěji 15 minut) jsou do paměti flash ukládány hodnoty elektroměrů. Tyto hodnoty jsou vhodné zejména pro výpočet odebrané energie za nastavený časový interval.

Čtení dat z paměti flash krok za krokem

1. Pomocí funkce 0x3 - Read Holding Registers se nejprve vyčte rozsah ID ve složce (tabulka: Informace o složkách)
2. Následně se pomocí funkce 0x17 - Read/Write Multiple Registers vyčte délka požadovaného souboru.
Část funkce (0x17), sloužící pro zápis, nastavuje strukturu Informace o souboru – ID složky (42996) a ID souboru (42997), požadovaného souboru.
Část funkce (0x17), sloužící ke čtení, čte z adresy 42999 délku požadovaného souboru.
3. Následně se pomocí funkce 0x17 - Read/Write Multiple Registers vyčte požadovaný soubor.
Část funkce (0x17), sloužící pro zápis, nastavuje tabulku Struktura čtení – ID složky (4300), ID souboru (43001), Offset v souboru (43003) a Délka čtení (43004) požadovan
Část funkce (0x17), sloužící ke čtení, čte z adresy 43005 požadovanou část souboru.

Poznámka: Všechny soubory mají délku dělitelnou dvěma.

Informace o složkách				
Name	ADDRESS	TYPE	UNIT	Note
Nejmenší ID souboru ukládaných hodnot	42500	unsigned long		
Největší ID souboru ukládaných hodnot	42502	unsigned long		
Nejmenší ID souboru energie	42504	unsigned long		
Největší ID souboru energie	42506	unsigned long		

Informace o souborech				
Name	ADDRESS	TYPE	UNIT	Note
ID složky	42996	unsigned short		0 – Ukládané hodnoty, 1 – Energie
ID souboru	42997	unsigned long		ID souboru v rozsahu od nejmenšího po největší ID ve složce.
Velikost souboru	42999	unsigned short	B	

Struktura čtení				
Name	ADDRESS	TYPE	UNIT	Note
ID složky	43000	unsigned short		0 – Ukládané hodnoty, 1 – Energie
ID souboru	43001	unsigned long		ID souboru v rozsahu od nejmenšího po největší ID ve složce.
Offset v souboru	43003	unsigned short	B	
Délka čtení	43004	unsigned short	B	

Formát ukládaných dat

Jeden soubor vždy obsahuje pouze data z jednoho měření

Příklad:

Pro příklad je interval ukládání měřených dat 1 minuta. To znamená, že se každou minutu uloží průměr hodnot za poslední minutu. Mimo jiné to také znamená, že se každou minutu uloží jeden soubor do paměti flash. Každý soubor začíná hlavičkou souboru (tabulka: Ukládaná data – formát hlavičky souboru) kterou následují měřená data. Ukládaná data mohou mít dva formáty, s nebo bez hodnoty minima a maxima během ukládaného intervalu. V jednom souboru může být vždy pouze jeden formát ukládaných dat. Jestli je soubor složen z dat s minimama a maximama informuje Flag – Ukládání minim a maxim v hlavičce souboru.

Ukládaná data- formát hlavičky souboru		
Name	Type	Note
Verze firmvaru přístroje	unsigned long	Verze firmvaru přístroje, když byl soubor uložen.
Time in seconds	unsigned long	UTC čas, kdy byl soubor uložen
Dummy	unsigned long	Prázdná položka
Interval ukládání	unsigned long	Jak často jsou data do paměti flash ukládána
Flags	unsigned short	Doplňkové informace
- Ukládání minim a maxim	1 bit	1 – Ukládané hodnoty obsahují minimum a maximum
- Dummy	15 bit	Prázdná položka

Formát ukládaných dat, když není ukládáno minimum a maximum

Name	Type	Note
ID měřené položky	unsigned short	Identification of save values
Hodnota fáze L1	float	Value of save value
Hodnota fáze L2	float	Value of save value
Hodnota fáze L3	float	Value of save value

Formát ukládaných dat, když je ukládáno minimum a maximum

Name	Type	Note
ID měřené položky	unsigned short	Identification of save values
Hodnota fáze L1	float	Value of save value
Hodnota fáze L2	float	Value of save value
Hodnota fáze L3	float	Value of save value
Minimální hodnota fáze L1	float	Minimum of save value
Minimální hodnota fáze L2	float	Minimum of save value
Minimální hodnota fáze L3	float	Minimum of save value
Maximální hodnota fáze L1	float	Maximum of save value
Maximální hodnota fáze L2	float	Maximum of save value
Maximální hodnota fáze L3	float	Maximum of save value

Formát souboru Energií

Formát souboru s energiemi popisuje tabulka níže. Každý soubor obsahuje pouze jednu tabulku.

Výpočet energie: $Energie = long64 / 10$;

Příklad: Přechtená hodnota energie je 10001 => $10001/10 = 1000,1$ kWh

Energy values file format		
Name	Type	Note
Verze firmvaru přístroje	unsigned long	Verze firmvaru přístroje, když byl soubor uložen.
Time in seconds	unsigned long	UTC čas, kdy byl soubor uložen
Dummy	unsigned long	Prázdňá položka
Tariff_1 – Consumed active energy	long64	
Tariff_1 – Consumed inductive reactive energy	long64	
Tariff_1 – Consumed capacitive reactive energy	long64	
Tariff_1 – Distributed active energy	long64	
Tariff_1 – Distributed reactive inductive energy	long64	
Tariff_1 – Distributed reactive capacitive energy	long64	
Tariff_2 – Consumed active energy	long64	
Tariff_2 – Consumed inductive reactive energy	long64	
Tariff_2 – Consumed capacitive reactive energy	long64	
Tariff_2 – Distributed active energy	long64	
Tariff_2 – Distributed reactive inductive energy	long64	
Tariff_2 – Distributed reactive capacitive energy	long64	
Tariff_3 – Consumed active energy	long64	
Tariff_3 – Consumed inductive reactive energy	long64	
Tariff_3 – Consumed capacitive reactive energy	long64	
Tariff_3 – Distributed active energy	long64	
Tariff_3 – Distributed reactive inductive energy	long64	
Tariff_3 – Distributed reactive capacitive energy	long64	
Tariff_4 – Consumed active energy	long64	
Tariff_4 – Consumed inductive reactive energy	long64	
Tariff_4 – Consumed capacitive reactive energy	long64	
Tariff_4 – Distributed active energy	long64	
Tariff_4 – Distributed reactive inductive energy	long64	
Tariff_4 – Distributed reactive capacitive energy	long64	

Parametrizace přístroje

Pro parametrizaci přístroje doporučujeme použít software BMR-PMS. Soupis modbus registrů určených pro parametrizaci přístroje je na vyžádání u výrobce.

Čtení online dat

Online data mohou být čtena pomocí funkce 0x03 – Read Holding Registers

Measured parameters				
Name	ADDRESS	TYPE	UNIT	Note
CosFi_L1	30000	float		
CosFi_L2	30002	float		
CosFi_L3	30004	float		
CosFi_3F	30006	float		
Pf_L1	30008	float		
Pf_L2	30010	float		
Pf_L3	30012	float		
Pf_3F	30014	float		
S_L1	30016	float	VA	
S_L2	30018	float	VA	
S_L3	30020	float	VA	
S_3F	30022	float	VA	
P_L1	30024	float	W	
P_L2	30026	float	W	
P_L3	30028	float	W	
P_3F	30030	float	W	
Q_L1	30032	float	var	
Q_L2	30034	float	var	
Q_L3	30036	float	var	
Q_3F	30038	float	var	
U_LN_L1	30040	float	V	
U_LN_L2	30042	float	V	
U_LN_L3	30044	float	V	
U_LL_L12	30046	float	V	
U_LL_L23	30048	float	V	
U_LL_L31	30050	float	V	
Thdu_LN_L1	30052	float	%	
Thdu_LN_L2	30054	float	%	
Thdu_LN_L3	30056	float	%	
Thdu_LL_L12	30058	float	%	
Thdu_LL_L23	30060	float	%	
Thdu_LL_L31	30062	float	%	
I_L1	30064	float	A	
I_L2	30066	float	A	
I_L3	30068	float	A	
I_Zero	30070	float	A	
Thdi_L1	30072	float	%	
Thdi_L2	30074	float	%	
Thdi_L3	30076	float	%	
Frequency	30078	float	Hz	
UnderDeviation_LN_L1	30080	float	V	
UnderDeviation_LN_L2	30082	float	V	
UnderDeviation_LN_L3	30084	float	V	
OverDeviation_LN_L1	30086	float	V	
OverDeviation_LN_L2	30088	float	V	
OverDeviation_LN_L3	30090	float	V	
UnderDeviation_LL_L12	30092	float	V	
UnderDeviation_LL_L23	30094	float	V	
UnderDeviation_LL_L31	30096	float	V	
OverDeviation_LL_L12	30098	float	V	
OverDeviation_LL_L23	30100	float	V	
OverDeviation_LL_L31	30102	float	V	
Unbalance_LN_U2	30104	float	%	
NULL	30106	float		
NULL	30108	float		
Unbalance_I_I2	30110	float	%	
NULL	30112	float		
NULL	30114	float		
Unbalance_LN_U0	30116	float	%	
NULL	30118	float		
NULL	30120	float		
Unbalance_I_I0	30122	float	%	
NULL	30124	float		
NULL	30126	float		
KFactor_L1	30128	float		
KFactor_L2	30130	float		
KFactor_L3	30132	float		
DistortionPower_L1	30134	float	VA	
DistortionPower_L2	30136	float	VA	
DistortionPower_L3	30138	float	VA	
Temperature	30140	float	°C	

Measured parameters				
DESCRIPTION	ADDRESS	TYPE	UNIT	Note
U_Angle_L1	30142	float	°	
U_Angle_L2	30144	float	°	
U_Angle_L3	30146	float	°	
I_Angle_L1	30148	float	°	
I_Angle_L2	30150	float	°	
I_Angle_L3	30152	float	°	
Frekvence200ms	30154	float	Hz	
Tdd_L1	30156	float	%	
Tdd_L2	30158	float	%	
Tdd_L3	30160	float	%	
CosFi_Mod_L1	30162	float		
CosFi_Mod_L2	30164	float		
CosFi_Mod_L3	30166	float		
CosFi_3F_Mod	30168	float		
Pf_Mod_L1	30170	float		
Pf_Mod_L2	30172	float		
Pf_Mod_L3	30174	float		
Pf_3F_Mod	30176	float		

Energy				
DESCRIPTION	ADDRESS	TYPE	UNIT	Note
Tariff_1 – Consumed active energy	37000	long64		
Tariff_1 – Consumed inductive reactive energy	37004	long64		
Tariff_1 – Consumed capacitive reactive energy	37008	long64		
Tariff_1 – Distributed active energy	37012	long64		
Tariff_1 – Distributed reactive inductive energy	37016	long64		
Tariff_1 – Distributed reactive capacitive energy	37020	long64		
Tariff_2 – Consumed active energy	37024	long64		
Tariff_2 – Consumed inductive reactive energy	37028	long64		
Tariff_2 – Consumed capacitive reactive energy	37032	long64		
Tariff_2 – Distributed active energy	37036	long64		
Tariff_2 – Distributed reactive inductive energy	37040	long64		
Tariff_2 – Distributed reactive capacitive energy	37044	long64		
Tariff_3 – Consumed active energy	37048	long64		
Tariff_3 – Consumed inductive reactive energy	37052	long64		
Tariff_3 – Consumed capacitive reactive energy	37056	long64		
Tariff_3 – Distributed active energy	37060	long64		
Tariff_3 – Distributed reactive inductive energy	37064	long64		
Tariff_3 – Distributed reactive capacitive energy	37068	long64		
Tariff_4 – Consumed active energy	37072	long64		
Tariff_4 – Consumed inductive reactive energy	37076	long64		
Tariff_4 – Consumed capacitive reactive energy	37080	long64		
Tariff_4 – Distributed active energy	37084	long64		
Tariff_4 – Distributed reactive inductive energy	37088	long64		
Tariff_4 – Distributed reactive capacitive energy	37092	long64		
Active energy tariff	37096	unsigned short		1 – Tariff_1; 2 – Tariff_2; 3 – Tariff_3; 4 – Tariff_4

Výpočet energie: Energie = long64 / 10;

Example: Register value of consumed active energy is 10001 => 10001/10 = 1000,1 kWh

Příklad: Přechtená hodnota energie je 10001 => 10001/10 = 1000,1 kWh

Max parameters				
DESCRIPTION	ADDRESS	TYPE	UNIT	Note
CosFi_L1	30200	float		
CosFi_L2	30202	float		
CosFi_L3	30204	float		
CosFi_3F	30206	float		
Pf_L1	30208	float		
Pf_L2	30210	float		
Pf_L3	30212	float		
Pf_3F	30214	float		
S_L1	30216	float	VA	
S_L2	30218	float	VA	
S_L3	30220	float	VA	
S_3F	30222	float	VA	
P_L1	30224	float	W	
P_L2	30226	float	W	
P_L3	30228	float	W	
P_3F	30230	float	W	
Q_L1	30232	float	var	
Q_L2	30234	float	var	
Q_L3	30236	float	var	
Q_3F	30238	float	var	
U_LN_L1	30240	float	V	
U_LN_L2	30242	float	V	
U_LN_L3	30244	float	V	
U_LL_L12	30246	float	V	
U_LL_L23	30248	float	V	
U_LL_L31	30250	float	V	
Thdu_LN_L1	30252	float	%	
Thdu_LN_L2	30254	float	%	
Thdu_LN_L3	30256	float	%	
Thdu_LL_L12	30258	float	%	
Thdu_LL_L23	30260	float	%	
Thdu_LL_L31	30262	float	%	
I_L1	30264	float	A	
I_L2	30266	float	A	
I_L3	30268	float	A	
I_Zero	30270	float	A	
Thdi_L1	30272	float	%	
Thdi_L2	30274	float	%	
Thdi_L3	30276	float	%	
Frequency	30278	float	Hz	
OverDeviation_LN_L1	30280	float	V	
OverDeviation_LN_L2	30282	float	V	
OverDeviation_LN_L3	30284	float	V	
OverDeviation_LL_L12	30286	float	V	
OverDeviation_LL_L23	30288	float	V	
OverDeviation_LL_L31	30290	float	V	
Unbalance_LN_U2	30292	float	%	
NULL	30294	float		
NULL	30296	float		
Unbalance_I_I2	30298	float	%	
NULL	30300	float		
NULL	30302	float		
Unbalance_LN_U0	30304	float	%	
NULL	30306	float		
NULL	30308	float		
Unbalance_I_I0	30310	float	%	
NULL	30312	float		
NULL	30314	float		
KFactor_L1	30316	float		
KFactor_L2	30318	float		
KFactor_L3	30320	float		
DistortionPower_L1	30322	float	VA	
DistortionPower_L2	30324	float	VA	
DistortionPower_L3	30326	float	VA	
Temperature	30328	float	°C	
U_Angle_L1	30330	float	°	
U_Angle_L2	30332	float	°	
U_Angle_L3	30334	float	°	
I_Angle_L1	30336	float	°	
I_Angle_L2	30338	float	°	
I_Angle_L3	30340	float	°	

Max parameters				
DESCRIPTION	NAME	ADDRESS	TYPE	UNIT
Frekvence200ms	30342	float	Hz	
Tdd_L1	30344	float	%	
Tdd_L2	30346	float	%	
Tdd_L3	30348	float	%	
CosFi_Mod_L1	30350	float		
CosFi_Mod_L2	30352	float		
CosFi_Mod_L3	30354	float		
CosFi_3F_Mod	30356	float		
Pf_Mod_L1	30358	float		
Pf_Mod_L2	30360	float		
Pf_Mod_L3	30362	float		
Pf_3F_Mod	30364	float		

Min parameters				
DESCRIPTION	ADDRESS	TYPE	UNIT	Note
CosFi_L1	30400	float		
CosFi_L2	30402	float		
CosFi_L3	30404	float		
CosFi_3F	30406	float		
Pf_L1	30408	float		
Pf_L2	30410	float		
Pf_L3	30412	float		
Pf_3F	30414	float		
S_L1	30416	float	VA	
S_L2	30418	float	VA	
S_L3	30420	float	VA	
S_3F	30422	float	VA	
P_L1	30424	float	W	
P_L2	30426	float	W	
P_L3	30428	float	W	
P_3F	30430	float	W	
Q_L1	30432	float	var	
Q_L2	30434	float	var	
Q_L3	30436	float	var	
Q_3F	30438	float	var	
U_LN_L1	30440	float	V	
U_LN_L2	30442	float	V	
U_LN_L3	30444	float	V	
U_LL_L12	30446	float	V	
U_LL_L23	30448	float	V	
U_LL_L31	30450	float	V	
Thdu_LN_L1	30452	float	%	
Thdu_LN_L2	30454	float	%	
Thdu_LN_L3	30456	float	%	
Thdu_LL_L12	30458	float	%	
Thdu_LL_L23	30460	float	%	
Thdu_LL_L31	30462	float	%	
I_L1	30464	float	A	
I_L2	30466	float	A	
I_L3	30468	float	A	
I_Zero	30470	float	A	
Thdi_L1	30472	float	%	
Thdi_L2	30474	float	%	
Thdi_L3	30476	float	%	
Frequency	30478	float	Hz	
UnderDeviation_LN	30480	float	V	
UnderDeviation_LN	30482	float	V	
UnderDeviation_LN	30484	float	V	
UnderDeviation_LL	30486	float	V	
UnderDeviation_LL	30488	float	V	
UnderDeviation_LL	30490	float	V	
Unbalance_LN_U2	30492	float	%	
NULL	30494	float		
NULL	30496	float		
Unbalance_I_I2	30498	float	%	
NULL	30500	float		
NULL	30502	float		
Unbalance_LN_U0	30504	float	%	
NULL	30506	float		
NULL	30508	float		
Unbalance_I_I0	30510	float	%	
NULL	30512	float		
NULL	30514	float		
KFactor_L1	30516	float		
KFactor_L2	30518	float		
KFactor_L3	30520	float		
DistortionPower_L1	30522	float	VA	
DistortionPower_L2	30524	float	VA	
DistortionPower_L3	30526	float	VA	
Teplota	30528	float	°C	
U_Angle_L1	30530	float	°	
U_Angle_L2	30532	float	°	
U_Angle_L3	30534	float	°	
I_Angle_L1	30536	float	°	
I_Angle_L2	30538	float	°	
I_Angle_L3	30540	float	°	

Min parameters				
DESCRIPTION	NAME	ADDRESS	TYPE	UNIT
Frekvence200ms	30542	float	Hz	
Tdd_L1	30544	float	%	
Tdd_L2	30546	float	%	
Tdd_L3	30548	float	%	
CosFi_Mod_L1	30550	float		
CosFi_Mod_L2	30552	float		
CosFi_Mod_L3	30554	float		
CosFi_3F_Mod	30556	float		
Pf_Mod_L1	30558	float		
Pf_Mod_L2	30560	float		
Pf_Mod_L3	30562	float		
Pf_3F_Mod	30564	float		

Avg values				
Name	ADDRESS	TYPE	UNIT	Note
CosFi_L1	30600	float		
CosFi_L2	30602	float		
CosFi_L3	30604	float		
CosFi_3F	30606	float		
Pf_L1	30608	float		
Pf_L2	30610	float		
Pf_L3	30612	float		
Pf_3F	30614	float		
S_L1	30616	float	VA	
S_L2	30618	float	VA	
S_L3	30620	float	VA	
S_3F	30622	float	VA	
P_L1	30624	float	W	
P_L2	30626	float	W	
P_L3	30628	float	W	
P_3F	30630	float	W	
Q_L1	30632	float	var	
Q_L2	30634	float	var	
Q_L3	30636	float	var	
Q_3F	30638	float	var	
U_LN_L1	30640	float	V	
U_LN_L2	30642	float	V	
U_LN_L3	30644	float	V	
U_LL_L12	30646	float	V	
U_LL_L23	30648	float	V	
U_LL_L31	30650	float	V	
Thdu_LN_L1	30652	float	%	
Thdu_LN_L2	30654	float	%	
Thdu_LN_L3	30656	float	%	
Thdu_LL_L12	30658	float	%	
Thdu_LL_L23	30660	float	%	
Thdu_LL_L31	30662	float	%	
I_L1	30664	float	A	
I_L2	30666	float	A	
I_L3	30668	float	A	
I_Zero	30670	float	A	
Thdi_L1	30672	float	%	
Thdi_L2	30674	float	%	
Thdi_L3	30676	float	%	
Frequency	30678	float	Hz	
UnderDeviation_LN_L1	30680	float	V	
UnderDeviation_LN_L2	30682	float	V	
UnderDeviation_LN_L3	30684	float	V	
OverDeviation_LN_L1	30686	float	V	
OverDeviation_LN_L2	30688	float	V	
OverDeviation_LN_L3	30690	float	V	
UnderDeviation_LL_L12	30692	float	V	
UnderDeviation_LL_L23	30694	float	V	
UnderDeviation_LL_L31	30696	float	V	
OverDeviation_LL_L12	30698	float	V	
OverDeviation_LL_L23	30700	float	V	
OverDeviation_LL_L31	30702	float	V	
Unbalance_LN_U2	30704	float	%	
NULL	30706	float		
NULL	30708	float		
Unbalance_I_I2	30710	float	%	
NULL	30712	float		
NULL	30714	float		
Unbalance_LN_U0	30716	float	%	
NULL	30718	float		
NULL	30720	float		
Unbalance_I_I0	30722	float	%	
NULL	30724	float		
NULL	30726	float		
KFactor_L1	30728	float		
KFactor_L2	30730	float		
KFactor_L3	30732	float		
DistortionPower_L1	30734	float	VA	
DistortionPower_L2	30736	float	VA	
DistortionPower_L3	30738	float	VA	
Teplota	30740	float	°C	

Avg values				
DESCRIPTION	ADDRESS	TYPE	UNIT	Note
U_Angle_L1	30742	float	°	
U_Angle_L2	30744	float	°	
U_Angle_L3	30746	float	°	
I_Angle_L1	30748	float	°	
I_Angle_L2	30750	float	°	
I_Angle_L3	30752	float	°	
Frekvence200ms	30754	float	Hz	
Tdd_L1	30756	float	%	
Tdd_L2	30758	float	%	
Tdd_L3	30760	float	%	
CosFi_Mod_L1	30762	float		
CosFi_Mod_L2	30764	float		
CosFi_Mod_L3	30766	float		
CosFi_3F_Mod	30768	float		
Pf_Mod_L1	30770	float		
Pf_Mod_L2	30772	float		
Pf_Mod_L3	30774	float		
Pf_3F_Mod	30776	float		

Phase voltage harmonics				
DESCRIPTION	ADDRESS	TYPE	UNIT	Note
Harm_U_LN_1_L1	30800	float	V	
Harm_U_LN_2_L1	30802	float	V	
Harm_U_LN_3_L1	30804	float	V	
Harm_U_LN_4_L1	30806	float	V	
Harm_U_LN_5_L1	30808	float	V	
Harm_U_LN_6_L1	30810	float	V	
Harm_U_LN_7_L1	30812	float	V	
Harm_U_LN_8_L1	30814	float	V	
Harm_U_LN_9_L1	30816	float	V	
Harm_U_LN_10_L1	30818	float	V	
Harm_U_LN_11_L1	30820	float	V	
Harm_U_LN_12_L1	30822	float	V	
Harm_U_LN_13_L1	30824	float	v	
Harm_U_LN_14_L1	30826	float	V	
Harm_U_LN_15_L1	30828	float	V	
Harm_U_LN_16_L1	30830	float	V	
Harm_U_LN_17_L1	30832	float	V	
Harm_U_LN_18_L1	30834	float	V	
Harm_U_LN_19_L1	30836	float	V	
Harm_U_LN_20_L1	30838	float	V	
Harm_U_LN_21_L1	30840	float	V	
Harm_U_LN_22_L1	30842	float	V	
Harm_U_LN_23_L1	30844	float	V	
Harm_U_LN_24_L1	30846	float	V	
Harm_U_LN_25_L1	30848	float	V	
Harm_U_LN_26_L1	30850	float	V	
Harm_U_LN_27_L1	30852	float	V	
Harm_U_LN_28_L1	30854	float	V	
Harm_U_LN_29_L1	30856	float	V	
Harm_U_LN_30_L1	30858	float	V	
Harm_U_LN_31_L1	30860	float	V	
Harm_U_LN_32_L1	30862	float	V	
Harm_U_LN_33_L1	30864	float	V	
Harm_U_LN_34_L1	30866	float	V	
Harm_U_LN_35_L1	30868	float	V	
Harm_U_LN_36_L1	30870	float	V	
Harm_U_LN_37_L1	30872	float	V	
Harm_U_LN_38_L1	30874	float	V	
Harm_U_LN_39_L1	30876	float	V	
Harm_U_LN_40_L1	30878	float	V	
Harm_U_LN_1_L2	30880	float	V	
Harm_U_LN_2_L2	30882	float	V	
Harm_U_LN_3_L2	30884	float	V	
Harm_U_LN_4_L2	30886	float	V	
Harm_U_LN_5_L2	30888	float	V	
Harm_U_LN_6_L2	30890	float	V	
Harm_U_LN_7_L2	30892	float	V	
Harm_U_LN_8_L2	30894	float	V	
Harm_U_LN_9_L2	30896	float	V	
Harm_U_LN_10_L2	30898	float	V	
Harm_U_LN_11_L2	30900	float	V	
Harm_U_LN_12_L2	30902	float	V	
Harm_U_LN_13_L2	30904	float	V	
Harm_U_LN_14_L2	30906	float	V	
Harm_U_LN_15_L2	30908	float	V	
Harm_U_LN_16_L2	30910	float	V	
Harm_U_LN_17_L2	30912	float	V	
Harm_U_LN_18_L2	30914	float	V	
Harm_U_LN_19_L2	30916	float	V	
Harm_U_LN_20_L2	30918	float	V	
Harm_U_LN_21_L2	30920	float	V	
Harm_U_LN_22_L2	30922	float	V	
Harm_U_LN_23_L2	30924	float	V	
Harm_U_LN_24_L2	30926	float	V	
Harm_U_LN_25_L2	30928	float	V	
Harm_U_LN_26_L2	30930	float	V	
Harm_U_LN_27_L2	30932	float	V	
Harm_U_LN_28_L2	30934	float	V	
Harm_U_LN_29_L2	30936	float	V	
Harm_U_LN_30_L2	30938	float	V	

Phase voltage harmonics				
DESCRIPTION	ADDRESS	TYPE	UNIT	Note
Harm_U_LN_31_L2	30940	float	V	
Harm_U_LN_32_L2	30942	float	V	
Harm_U_LN_33_L2	30944	float	V	
Harm_U_LN_34_L2	30946	float	V	
Harm_U_LN_35_L2	30948	float	V	
Harm_U_LN_36_L2	30950	float	V	
Harm_U_LN_37_L2	30952	float	V	
Harm_U_LN_38_L2	30954	float	V	
Harm_U_LN_39_L2	30956	float	V	
Harm_U_LN_40_L2	30958	float	V	
Harm_U_LN_1_L3	30960	float	V	
Harm_U_LN_2_L3	30962	float	V	
Harm_U_LN_3_L3	30964	float	V	
Harm_U_LN_4_L3	30966	float	V	
Harm_U_LN_5_L3	30968	float	V	
Harm_U_LN_6_L3	30970	float	V	
Harm_U_LN_7_L3	30972	float	V	
Harm_U_LN_8_L3	30974	float	V	
Harm_U_LN_9_L3	30976	float	V	
Harm_U_LN_10_L3	30978	float	V	
Harm_U_LN_11_L3	30980	float	V	
Harm_U_LN_12_L3	30982	float	V	
Harm_U_LN_13_L3	30984	float	V	
Harm_U_LN_14_L3	30986	float	V	
Harm_U_LN_15_L3	30988	float	V	
Harm_U_LN_16_L3	30990	float	V	
Harm_U_LN_17_L3	30992	float	V	
Harm_U_LN_18_L3	30994	float	V	
Harm_U_LN_19_L3	30996	float	V	
Harm_U_LN_20_L3	30998	float	V	
Harm_U_LN_21_L3	31000	float	V	
Harm_U_LN_22_L3	31002	float	V	
Harm_U_LN_23_L3	31004	float	V	
Harm_U_LN_24_L3	31006	float	V	
Harm_U_LN_25_L3	31008	float	V	
Harm_U_LN_26_L3	31010	float	V	
Harm_U_LN_27_L3	31012	float	V	
Harm_U_LN_28_L3	31014	float	V	
Harm_U_LN_29_L3	31016	float	V	
Harm_U_LN_30_L3	31018	float	V	
Harm_U_LN_31_L3	31020	float	V	
Harm_U_LN_32_L3	31022	float	V	
Harm_U_LN_33_L3	31024	float	V	
Harm_U_LN_34_L3	31026	float	V	
Harm_U_LN_35_L3	31028	float	V	
Harm_U_LN_36_L3	31030	float	V	
Harm_U_LN_37_L3	31032	float	V	
Harm_U_LN_38_L3	31034	float	V	
Harm_U_LN_39_L3	31036	float	V	
Harm_U_LN_40_L3	31038	float	V	

Current harmonics				
DESCRIPTION	ADDRESS	TYPE	UNIT	Note
Harm_I_1_L1	31040	float	A	
Harm_I_2_L1	31042	float	A	
Harm_I_3_L1	31044	float	A	
Harm_I_4_L1	31046	float	A	
Harm_I_5_L1	31048	float	A	
Harm_I_6_L1	31050	float	A	
Harm_I_7_L1	31052	float	A	
Harm_I_8_L1	31054	float	A	
Harm_I_9_L1	31056	float	A	
Harm_I_10_L1	31058	float	A	
Harm_I_11_L1	31060	float	A	
Harm_I_12_L1	31062	float	A	
Harm_I_13_L1	31064	float	A	
Harm_I_14_L1	31066	float	A	
Harm_I_15_L1	31068	float	A	
Harm_I_16_L1	31070	float	A	
Harm_I_17_L1	31072	float	A	
Harm_I_18_L1	31074	float	A	
Harm_I_19_L1	31076	float	A	
Harm_I_20_L1	31078	float	A	
Harm_I_21_L1	31080	float	A	
Harm_I_22_L1	31082	float	A	
Harm_I_23_L1	31084	float	A	
Harm_I_24_L1	31086	float	A	
Harm_I_25_L1	31088	float	A	
Harm_I_26_L1	31090	float	A	
Harm_I_27_L1	31092	float	A	
Harm_I_28_L1	31094	float	A	
Harm_I_29_L1	31096	float	A	
Harm_I_30_L1	31098	float	A	
Harm_I_31_L1	31100	float	A	
Harm_I_32_L1	31102	float	A	
Harm_I_33_L1	31104	float	A	
Harm_I_34_L1	31106	float	A	
Harm_I_35_L1	31108	float	A	
Harm_I_36_L1	31110	float	A	
Harm_I_37_L1	31112	float	A	
Harm_I_38_L1	31114	float	A	
Harm_I_39_L1	31116	float	A	
Harm_I_40_L1	31118	float	A	
Harm_I_1_L2	31120	float	A	
Harm_I_2_L2	31122	float	A	
Harm_I_3_L2	31124	float	A	
Harm_I_4_L2	31126	float	A	
Harm_I_5_L2	31128	float	A	
Harm_I_6_L2	31130	float	A	
Harm_I_7_L2	31132	float	A	
Harm_I_8_L2	31134	float	A	
Harm_I_9_L2	31136	float	A	
Harm_I_10_L2	31138	float	A	
Harm_I_11_L2	31140	float	A	
Harm_I_12_L2	31142	float	A	
Harm_I_13_L2	31144	float	A	
Harm_I_14_L2	31146	float	A	
Harm_I_15_L2	31148	float	A	
Harm_I_16_L2	31150	float	A	
Harm_I_17_L2	31152	float	A	
Harm_I_18_L2	31154	float	A	
Harm_I_19_L2	31156	float	A	
Harm_I_20_L2	31158	float	A	
Harm_I_21_L2	31160	float	A	
Harm_I_22_L2	31162	float	A	
Harm_I_23_L2	31164	float	A	
Harm_I_24_L2	31166	float	A	
Harm_I_25_L2	31168	float	A	
Harm_I_26_L2	31170	float	A	
Harm_I_27_L2	31172	float	A	
Harm_I_28_L2	31174	float	A	
Harm_I_29_L2	31176	float	A	
Harm_I_30_L2	31178	float	A	

Current harmonics				
DESCRIPTION	ADDRESS	TYPE	UNIT	Note
Harm_I_31_L2	31180	float	A	
Harm_I_32_L2	31182	float	A	
Harm_I_33_L2	31184	float	A	
Harm_I_34_L2	31186	float	A	
Harm_I_35_L2	31188	float	A	
Harm_I_36_L2	31190	float	A	
Harm_I_37_L2	31192	float	A	
Harm_I_38_L2	31194	float	A	
Harm_I_39_L2	31196	float	A	
Harm_I_40_L2	31198	float	A	
Harm_I_1_L3	31200	float	A	
Harm_I_2_L3	31202	float	A	
Harm_I_3_L3	31204	float	A	
Harm_I_4_L3	31206	float	A	
Harm_I_5_L3	31208	float	A	
Harm_I_6_L3	31210	float	A	
Harm_I_7_L3	31212	float	A	
Harm_I_8_L3	31214	float	A	
Harm_I_9_L3	31216	float	A	
Harm_I_10_L3	31218	float	A	
Harm_I_11_L3	31220	float	A	
Harm_I_12_L3	31222	float	A	
Harm_I_13_L3	31224	float	A	
Harm_I_14_L3	31226	float	A	
Harm_I_15_L3	31228	float	A	
Harm_I_16_L3	31230	float	A	
Harm_I_17_L3	31232	float	A	
Harm_I_18_L3	31234	float	A	
Harm_I_19_L3	31236	float	A	
Harm_I_20_L3	31238	float	A	
Harm_I_21_L3	31240	float	A	
Harm_I_22_L3	31242	float	A	
Harm_I_23_L3	31244	float	A	
Harm_I_24_L3	31246	float	A	
Harm_I_25_L3	31248	float	A	
Harm_I_26_L3	31250	float	A	
Harm_I_27_L3	31252	float	A	
Harm_I_28_L3	31254	float	A	
Harm_I_29_L3	31256	float	A	
Harm_I_30_L3	31258	float	A	
Harm_I_31_L3	31260	float	A	
Harm_I_32_L3	31262	float	A	
Harm_I_33_L3	31264	float	A	
Harm_I_34_L3	31266	float	A	
Harm_I_35_L3	31268	float	A	
Harm_I_36_L3	31270	float	A	
Harm_I_37_L3	31272	float	A	
Harm_I_38_L3	31274	float	A	
Harm_I_39_L3	31276	float	A	
Harm_I_40_L3	31278	float	A	

Line voltage harmonics				
DESCRIPTION	ADDRESS	TYPE	UNIT	Note
Harm_U_LL_1_L12	31280	float	V	
Harm_U_LL_2_L12	31282	float	V	
Harm_U_LL_3_L12	31284	float	V	
Harm_U_LL_4_L12	31286	float	V	
Harm_U_LL_5_L12	31288	float	V	
Harm_U_LL_6_L12	31290	float	V	
Harm_U_LL_7_L12	31292	float	V	
Harm_U_LL_8_L12	31294	float	V	
Harm_U_LL_9_L12	31296	float	V	
Harm_U_LL_10_L12	31298	float	V	
Harm_U_LL_11_L12	31300	float	V	
Harm_U_LL_12_L12	31302	float	V	
Harm_U_LL_13_L12	31304	float	V	
Harm_U_LL_14_L12	31306	float	V	
Harm_U_LL_15_L12	31308	float	V	
Harm_U_LL_16_L12	31310	float	V	
Harm_U_LL_17_L12	31312	float	V	
Harm_U_LL_18_L12	31314	float	V	
Harm_U_LL_19_L12	31316	float	V	
Harm_U_LL_20_L12	31318	float	V	
Harm_U_LL_21_L12	31320	float	V	
Harm_U_LL_22_L12	31322	float	V	
Harm_U_LL_23_L12	31324	float	V	
Harm_U_LL_24_L12	31326	float	V	
Harm_U_LL_25_L12	31328	float	V	
Harm_U_LL_26_L12	31330	float	V	
Harm_U_LL_27_L12	31332	float	V	
Harm_U_LL_28_L12	31334	float	V	
Harm_U_LL_29_L12	31336	float	V	
Harm_U_LL_30_L12	31338	float	V	
Harm_U_LL_31_L12	31340	float	V	
Harm_U_LL_32_L12	31342	float	V	
Harm_U_LL_33_L12	31344	float	V	
Harm_U_LL_34_L12	31346	float	V	
Harm_U_LL_35_L12	31348	float	V	
Harm_U_LL_36_L12	31350	float	V	
Harm_U_LL_37_L12	31352	float	V	
Harm_U_LL_38_L12	31354	float	V	
Harm_U_LL_39_L12	31356	float	V	
Harm_U_LL_40_L12	31358	float	V	
Harm_U_LL_1_L23	31360	float	V	
Harm_U_LL_2_L23	31362	float	V	
Harm_U_LL_3_L23	31364	float	V	
Harm_U_LL_4_L23	31366	float	V	
Harm_U_LL_5_L23	31368	float	V	
Harm_U_LL_6_L23	31370	float	V	
Harm_U_LL_7_L23	31372	float	V	
Harm_U_LL_8_L23	31374	float	V	
Harm_U_LL_9_L23	31376	float	V	
Harm_U_LL_10_L23	31378	float	V	
Harm_U_LL_11_L23	31380	float	V	
Harm_U_LL_12_L23	31382	float	V	
Harm_U_LL_13_L23	31384	float	V	
Harm_U_LL_14_L23	31386	float	V	
Harm_U_LL_15_L23	31388	float	V	
Harm_U_LL_16_L23	31390	float	V	
Harm_U_LL_17_L23	31392	float	V	
Harm_U_LL_18_L23	31394	float	V	
Harm_U_LL_19_L23	31396	float	V	
Harm_U_LL_20_L23	31398	float	V	
Harm_U_LL_21_L23	31400	float	V	
Harm_U_LL_22_L23	31402	float	V	
Harm_U_LL_23_L23	31404	float	V	
Harm_U_LL_24_L23	31406	float	V	
Harm_U_LL_25_L23	31408	float	V	
Harm_U_LL_26_L23	31410	float	V	
Harm_U_LL_27_L23	31412	float	V	
Harm_U_LL_28_L23	31414	float	V	
Harm_U_LL_29_L23	31416	float	V	
Harm_U_LL_30_L23	31418	float	V	

Line voltage harmonics				
DESCRIPTION	ADDRESS	TYPE	UNIT	Note
Harm_U_LL_31_L23	31420	float	V	
Harm_U_LL_32_L23	31422	float	V	
Harm_U_LL_33_L23	31424	float	V	
Harm_U_LL_34_L23	31426	float	V	
Harm_U_LL_35_L23	31428	float	V	
Harm_U_LL_36_L23	31430	float	V	
Harm_U_LL_37_L23	31432	float	V	
Harm_U_LL_38_L23	31434	float	V	
Harm_U_LL_39_L23	31436	float	V	
Harm_U_LL_40_L23	31438	float	V	
Harm_U_LL_1_L31	31440	float	V	
Harm_U_LL_2_L31	31442	float	V	
Harm_U_LL_3_L31	31444	float	V	
Harm_U_LL_4_L31	31446	float	V	
Harm_U_LL_5_L31	31448	float	V	
Harm_U_LL_6_L31	31450	float	V	
Harm_U_LL_7_L31	31452	float	V	
Harm_U_LL_8_L31	31454	float	V	
Harm_U_LL_9_L31	31456	float	V	
Harm_U_LL_10_L31	31458	float	V	
Harm_U_LL_11_L31	31460	float	V	
Harm_U_LL_12_L31	31462	float	V	
Harm_U_LL_13_L31	31464	float	V	
Harm_U_LL_14_L31	31466	float	V	
Harm_U_LL_15_L31	31468	float	V	
Harm_U_LL_16_L31	31470	float	V	
Harm_U_LL_17_L31	31472	float	V	
Harm_U_LL_18_L31	31474	float	V	
Harm_U_LL_19_L31	31476	float	V	
Harm_U_LL_20_L31	31478	float	V	
Harm_U_LL_21_L31	31480	float	V	
Harm_U_LL_22_L31	31482	float	V	
Harm_U_LL_23_L31	31484	float	V	
Harm_U_LL_24_L31	31486	float	V	
Harm_U_LL_25_L31	31488	float	V	
Harm_U_LL_26_L31	31490	float	V	
Harm_U_LL_27_L31	31492	float	V	
Harm_U_LL_28_L31	31494	float	V	
Harm_U_LL_29_L31	31496	float	V	
Harm_U_LL_30_L31	31498	float	V	
Harm_U_LL_31_L31	31500	float	V	
Harm_U_LL_32_L31	31502	float	V	
Harm_U_LL_33_L31	31504	float	V	
Harm_U_LL_34_L31	31506	float	V	
Harm_U_LL_35_L31	31508	float	V	
Harm_U_LL_36_L31	31510	float	V	
Harm_U_LL_37_L31	31512	float	V	
Harm_U_LL_38_L31	31514	float	V	
Harm_U_LL_39_L31	31516	float	V	
Harm_U_LL_40_L31	31518	float	V	

Phase voltage harmonics				
DESCRIPTION	ADDRESS	TYPE	UNIT	Note
Harm_U_LN_PERC_1_L1	31520	float	%	
Harm_U_LN_PERC_2_L1	31522	float	%	
Harm_U_LN_PERC_3_L1	31524	float	%	
Harm_U_LN_PERC_4_L1	31526	float	%	
Harm_U_LN_PERC_5_L1	31528	float	%	
Harm_U_LN_PERC_6_L1	31530	float	%	
Harm_U_LN_PERC_7_L1	31532	float	%	
Harm_U_LN_PERC_8_L1	31534	float	%	
Harm_U_LN_PERC_9_L1	31536	float	%	
Harm_U_LN_PERC_10_L1	31538	float	%	
Harm_U_LN_PERC_11_L1	31540	float	%	
Harm_U_LN_PERC_12_L1	31542	float	%	
Harm_U_LN_PERC_13_L1	31544	float	%	
Harm_U_LN_PERC_14_L1	31546	float	%	
Harm_U_LN_PERC_15_L1	31548	float	%	
Harm_U_LN_PERC_16_L1	31550	float	%	
Harm_U_LN_PERC_17_L1	31552	float	%	
Harm_U_LN_PERC_18_L1	31554	float	%	
Harm_U_LN_PERC_19_L1	31556	float	%	
Harm_U_LN_PERC_20_L1	31558	float	%	
Harm_U_LN_PERC_21_L1	31560	float	%	
Harm_U_LN_PERC_22_L1	31562	float	%	
Harm_U_LN_PERC_23_L1	31564	float	%	
Harm_U_LN_PERC_24_L1	31566	float	%	
Harm_U_LN_PERC_25_L1	31568	float	%	
Harm_U_LN_PERC_26_L1	31570	float	%	
Harm_U_LN_PERC_27_L1	31572	float	%	
Harm_U_LN_PERC_28_L1	31574	float	%	
Harm_U_LN_PERC_29_L1	31576	float	%	
Harm_U_LN_PERC_30_L1	31578	float	%	
Harm_U_LN_PERC_31_L1	31580	float	%	
Harm_U_LN_PERC_32_L1	31582	float	%	
Harm_U_LN_PERC_33_L1	31584	float	%	
Harm_U_LN_PERC_34_L1	31586	float	%	
Harm_U_LN_PERC_35_L1	31588	float	%	
Harm_U_LN_PERC_36_L1	31590	float	%	
Harm_U_LN_PERC_37_L1	31592	float	%	
Harm_U_LN_PERC_38_L1	31594	float	%	
Harm_U_LN_PERC_39_L1	31596	float	%	
Harm_U_LN_PERC_40_L1	31598	float	%	
Harm_U_LN_PERC_1_L2	31600	float	%	
Harm_U_LN_PERC_2_L2	31602	float	%	
Harm_U_LN_PERC_3_L2	31604	float	%	
Harm_U_LN_PERC_4_L2	31606	float	%	
Harm_U_LN_PERC_5_L2	31608	float	%	
Harm_U_LN_PERC_6_L2	31610	float	%	
Harm_U_LN_PERC_7_L2	31612	float	%	
Harm_U_LN_PERC_8_L2	31614	float	%	
Harm_U_LN_PERC_9_L2	31616	float	%	
Harm_U_LN_PERC_10_L2	31618	float	%	
Harm_U_LN_PERC_11_L2	31620	float	%	
Harm_U_LN_PERC_12_L2	31622	float	%	
Harm_U_LN_PERC_13_L2	31624	float	%	
Harm_U_LN_PERC_14_L2	31626	float	%	
Harm_U_LN_PERC_15_L2	31628	float	%	
Harm_U_LN_PERC_16_L2	31630	float	%	
Harm_U_LN_PERC_17_L2	31632	float	%	
Harm_U_LN_PERC_18_L2	31634	float	%	
Harm_U_LN_PERC_19_L2	31636	float	%	
Harm_U_LN_PERC_20_L2	31638	float	%	
Harm_U_LN_PERC_21_L2	31640	float	%	
Harm_U_LN_PERC_22_L2	31642	float	%	
Harm_U_LN_PERC_23_L2	31644	float	%	
Harm_U_LN_PERC_24_L2	31646	float	%	
Harm_U_LN_PERC_25_L2	31648	float	%	
Harm_U_LN_PERC_26_L2	31650	float	%	
Harm_U_LN_PERC_27_L2	31652	float	%	
Harm_U_LN_PERC_28_L2	31654	float	%	
Harm_U_LN_PERC_29_L2	31656	float	%	
Harm_U_LN_PERC_30_L2	31658	float	%	

Phase voltage harmonics				
DESCRIPTION	ADDRESS	TYPE	UNIT	Note
Harm_U_LN_PERC_31_L2	31660	float	%	
Harm_U_LN_PERC_32_L2	31662	float	%	
Harm_U_LN_PERC_33_L2	31664	float	%	
Harm_U_LN_PERC_34_L2	31666	float	%	
Harm_U_LN_PERC_35_L2	31668	float	%	
Harm_U_LN_PERC_36_L2	31670	float	%	
Harm_U_LN_PERC_37_L2	31672	float	%	
Harm_U_LN_PERC_38_L2	31674	float	%	
Harm_U_LN_PERC_39_L2	31676	float	%	
Harm_U_LN_PERC_40_L2	31678	float	%	
Harm_U_LN_PERC_1_L3	31680	float	%	
Harm_U_LN_PERC_2_L3	31682	float	%	
Harm_U_LN_PERC_3_L3	31684	float	%	
Harm_U_LN_PERC_4_L3	31686	float	%	
Harm_U_LN_PERC_5_L3	31688	float	%	
Harm_U_LN_PERC_6_L3	31690	float	%	
Harm_U_LN_PERC_7_L3	31692	float	%	
Harm_U_LN_PERC_8_L3	31694	float	%	
Harm_U_LN_PERC_9_L3	31696	float	%	
Harm_U_LN_PERC_10_L3	31698	float	%	
Harm_U_LN_PERC_11_L3	31700	float	%	
Harm_U_LN_PERC_12_L3	31702	float	%	
Harm_U_LN_PERC_13_L3	31704	float	%	
Harm_U_LN_PERC_14_L3	31706	float	%	
Harm_U_LN_PERC_15_L3	31708	float	%	
Harm_U_LN_PERC_16_L3	31710	float	%	
Harm_U_LN_PERC_17_L3	31712	float	%	
Harm_U_LN_PERC_18_L3	31714	float	%	
Harm_U_LN_PERC_19_L3	31716	float	%	
Harm_U_LN_PERC_20_L3	31718	float	%	
Harm_U_LN_PERC_21_L3	31720	float	%	
Harm_U_LN_PERC_22_L3	31722	float	%	
Harm_U_LN_PERC_23_L3	31724	float	%	
Harm_U_LN_PERC_24_L3	31726	float	%	
Harm_U_LN_PERC_25_L3	31728	float	%	
Harm_U_LN_PERC_26_L3	31730	float	%	
Harm_U_LN_PERC_27_L3	31732	float	%	
Harm_U_LN_PERC_28_L3	31734	float	%	
Harm_U_LN_PERC_29_L3	31736	float	%	
Harm_U_LN_PERC_30_L3	31738	float	%	
Harm_U_LN_PERC_31_L3	31740	float	%	
Harm_U_LN_PERC_32_L3	31742	float	%	
Harm_U_LN_PERC_33_L3	31744	float	%	
Harm_U_LN_PERC_34_L3	31746	float	%	
Harm_U_LN_PERC_35_L3	31748	float	%	
Harm_U_LN_PERC_36_L3	31750	float	%	
Harm_U_LN_PERC_37_L3	31752	float	%	
Harm_U_LN_PERC_38_L3	31754	float	%	
Harm_U_LN_PERC_39_L3	31756	float	%	
Harm_U_LN_PERC_40_L3	31758	float	%	

Current harmonics				
DESCRIPTION	ADDRESS	TYPE	UNIT	Note
Harm_I_PERC_1_L1	31760	float	%	
Harm_I_PERC_2_L1	31762	float	%	
Harm_I_PERC_3_L1	31764	float	%	
Harm_I_PERC_4_L1	31766	float	%	
Harm_I_PERC_5_L1	31768	float	%	
Harm_I_PERC_6_L1	31770	float	%	
Harm_I_PERC_7_L1	31772	float	%	
Harm_I_PERC_8_L1	31774	float	%	
Harm_I_PERC_9_L1	31776	float	%	
Harm_I_PERC_10_L1	31778	float	%	
Harm_I_PERC_11_L1	31780	float	%	
Harm_I_PERC_12_L1	31782	float	%	
Harm_I_PERC_13_L1	31784	float	%	
Harm_I_PERC_14_L1	31786	float	%	
Harm_I_PERC_15_L1	31788	float	%	
Harm_I_PERC_16_L1	31790	float	%	
Harm_I_PERC_17_L1	31792	float	%	
Harm_I_PERC_18_L1	31794	float	%	
Harm_I_PERC_19_L1	31796	float	%	
Harm_I_PERC_20_L1	31798	float	%	
Harm_I_PERC_21_L1	31800	float	%	
Harm_I_PERC_22_L1	31802	float	%	
Harm_I_PERC_23_L1	31804	float	%	
Harm_I_PERC_24_L1	31806	float	%	
Harm_I_PERC_25_L1	31808	float	%	
Harm_I_PERC_26_L1	31810	float	%	
Harm_I_PERC_27_L1	31812	float	%	
Harm_I_PERC_28_L1	31814	float	%	
Harm_I_PERC_29_L1	31816	float	%	
Harm_I_PERC_30_L1	31818	float	%	
Harm_I_PERC_31_L1	31820	float	%	
Harm_I_PERC_32_L1	31822	float	%	
Harm_I_PERC_33_L1	31824	float	%	
Harm_I_PERC_34_L1	31826	float	%	
Harm_I_PERC_35_L1	31828	float	%	
Harm_I_PERC_36_L1	31830	float	%	
Harm_I_PERC_37_L1	31832	float	%	
Harm_I_PERC_38_L1	31834	float	%	
Harm_I_PERC_39_L1	31836	float	%	
Harm_I_PERC_40_L1	31838	float	%	
Harm_I_PERC_1_L2	31840	float	%	
Harm_I_PERC_2_L2	31842	float	%	
Harm_I_PERC_3_L2	31844	float	%	
Harm_I_PERC_4_L2	31846	float	%	
Harm_I_PERC_5_L2	31848	float	%	
Harm_I_PERC_6_L2	31850	float	%	
Harm_I_PERC_7_L2	31852	float	%	
Harm_I_PERC_8_L2	31854	float	%	
Harm_I_PERC_9_L2	31856	float	%	
Harm_I_PERC_10_L2	31858	float	%	
Harm_I_PERC_11_L2	31860	float	%	
Harm_I_PERC_12_L2	31862	float	%	
Harm_I_PERC_13_L2	31864	float	%	
Harm_I_PERC_14_L2	31866	float	%	
Harm_I_PERC_15_L2	31868	float	%	
Harm_I_PERC_16_L2	31870	float	%	
Harm_I_PERC_17_L2	31872	float	%	
Harm_I_PERC_18_L2	31874	float	%	
Harm_I_PERC_19_L2	31876	float	%	
Harm_I_PERC_20_L2	31878	float	%	
Harm_I_PERC_21_L2	31880	float	%	
Harm_I_PERC_22_L2	31882	float	%	
Harm_I_PERC_23_L2	31884	float	%	
Harm_I_PERC_24_L2	31886	float	%	
Harm_I_PERC_25_L2	31888	float	%	
Harm_I_PERC_26_L2	31890	float	%	
Harm_I_PERC_27_L2	31892	float	%	
Harm_I_PERC_28_L2	31894	float	%	
Harm_I_PERC_29_L2	31896	float	%	
Harm_I_PERC_30_L2	31898	float	%	

Current voltage harmonics				
DESCRIPTION	ADDRESS	TYPE	UNIT	Note
Harm_I_PERC_31_L2	31900	float	%	
Harm_I_PERC_32_L2	31902	float	%	
Harm_I_PERC_33_L2	31904	float	%	
Harm_I_PERC_34_L2	31906	float	%	
Harm_I_PERC_35_L2	31908	float	%	
Harm_I_PERC_36_L2	31910	float	%	
Harm_I_PERC_37_L2	31912	float	%	
Harm_I_PERC_38_L2	31914	float	%	
Harm_I_PERC_39_L2	31916	float	%	
Harm_I_PERC_40_L2	31918	float	%	
Harm_I_PERC_1_L3	31920	float	%	
Harm_I_PERC_2_L3	31922	float	%	
Harm_I_PERC_3_L3	31924	float	%	
Harm_I_PERC_4_L3	31926	float	%	
Harm_I_PERC_5_L3	31928	float	%	
Harm_I_PERC_6_L3	31930	float	%	
Harm_I_PERC_7_L3	31932	float	%	
Harm_I_PERC_8_L3	31934	float	%	
Harm_I_PERC_9_L3	31936	float	%	
Harm_I_PERC_10_L3	31938	float	%	
Harm_I_PERC_11_L3	31940	float	%	
Harm_I_PERC_12_L3	31942	float	%	
Harm_I_PERC_13_L3	31944	float	%	
Harm_I_PERC_14_L3	31946	float	%	
Harm_I_PERC_15_L3	31948	float	%	
Harm_I_PERC_16_L3	31950	float	%	
Harm_I_PERC_17_L3	31952	float	%	
Harm_I_PERC_18_L3	31954	float	%	
Harm_I_PERC_19_L3	31956	float	%	
Harm_I_PERC_20_L3	31958	float	%	
Harm_I_PERC_21_L3	31960	float	%	
Harm_I_PERC_22_L3	31962	float	%	
Harm_I_PERC_23_L3	31964	float	%	
Harm_I_PERC_24_L3	31966	float	%	
Harm_I_PERC_25_L3	31968	float	%	
Harm_I_PERC_26_L3	31970	float	%	
Harm_I_PERC_27_L3	31972	float	%	
Harm_I_PERC_28_L3	31974	float	%	
Harm_I_PERC_29_L3	31976	float	%	
Harm_I_PERC_30_L3	31978	float	%	
Harm_I_PERC_31_L3	31980	float	%	
Harm_I_PERC_32_L3	31982	float	%	
Harm_I_PERC_33_L3	31984	float	%	
Harm_I_PERC_34_L3	31986	float	%	
Harm_I_PERC_35_L3	31988	float	%	
Harm_I_PERC_36_L3	31990	float	%	
Harm_I_PERC_37_L3	31992	float	%	
Harm_I_PERC_38_L3	31994	float	%	
Harm_I_PERC_39_L3	31996	float	%	
Harm_I_PERC_40_L3	31998	float	%	

Line voltage harmonics				
DESCRIPTION	ADDRESS	TYPE	UNIT	Note
Harm_U_LL_PERC_1_L12	32000	float	%	
Harm_U_LL_PERC_2_L12	32002	float	%	
Harm_U_LL_PERC_3_L12	32004	float	%	
Harm_U_LL_PERC_4_L12	32006	float	%	
Harm_U_LL_PERC_5_L12	32008	float	%	
Harm_U_LL_PERC_6_L12	32010	float	%	
Harm_U_LL_PERC_7_L12	32012	float	%	
Harm_U_LL_PERC_8_L12	32014	float	%	
Harm_U_LL_PERC_9_L12	32016	float	%	
Harm_U_LL_PERC_10_L12	32018	float	%	
Harm_U_LL_PERC_11_L12	32020	float	%	
Harm_U_LL_PERC_12_L12	32022	float	%	
Harm_U_LL_PERC_13_L12	32024	float	%	
Harm_U_LL_PERC_14_L12	32026	float	%	
Harm_U_LL_PERC_15_L12	32028	float	%	
Harm_U_LL_PERC_16_L12	32030	float	%	
Harm_U_LL_PERC_17_L12	32032	float	%	
Harm_U_LL_PERC_18_L12	32034	float	%	
Harm_U_LL_PERC_19_L12	32036	float	%	
Harm_U_LL_PERC_20_L12	32038	float	%	
Harm_U_LL_PERC_21_L12	32040	float	%	
Harm_U_LL_PERC_22_L12	32042	float	%	
Harm_U_LL_PERC_23_L12	32044	float	%	
Harm_U_LL_PERC_24_L12	32046	float	%	
Harm_U_LL_PERC_25_L12	32048	float	%	
Harm_U_LL_PERC_26_L12	32050	float	%	
Harm_U_LL_PERC_27_L12	32052	float	%	
Harm_U_LL_PERC_28_L12	32054	float	%	
Harm_U_LL_PERC_29_L12	32056	float	%	
Harm_U_LL_PERC_30_L12	32058	float	%	
Harm_U_LL_PERC_31_L12	32060	float	%	
Harm_U_LL_PERC_32_L12	32062	float	%	
Harm_U_LL_PERC_33_L12	32064	float	%	
Harm_U_LL_PERC_34_L12	32066	float	%	
Harm_U_LL_PERC_35_L12	32068	float	%	
Harm_U_LL_PERC_36_L12	32070	float	%	
Harm_U_LL_PERC_37_L12	32072	float	%	
Harm_U_LL_PERC_38_L12	32074	float	%	
Harm_U_LL_PERC_39_L12	32076	float	%	
Harm_U_LL_PERC_40_L12	32078	float	%	
Harm_U_LL_PERC_1_L23	32080	float	%	
Harm_U_LL_PERC_2_L23	32082	float	%	
Harm_U_LL_PERC_3_L23	32084	float	%	
Harm_U_LL_PERC_4_L23	32086	float	%	
Harm_U_LL_PERC_5_L23	32088	float	%	
Harm_U_LL_PERC_6_L23	32090	float	%	
Harm_U_LL_PERC_7_L23	32092	float	%	
Harm_U_LL_PERC_8_L23	32094	float	%	
Harm_U_LL_PERC_9_L23	32096	float	%	
Harm_U_LL_PERC_10_L23	32098	float	%	
Harm_U_LL_PERC_11_L23	32100	float	%	
Harm_U_LL_PERC_12_L23	32102	float	%	
Harm_U_LL_PERC_13_L23	32104	float	%	
Harm_U_LL_PERC_14_L23	32106	float	%	
Harm_U_LL_PERC_15_L23	32108	float	%	
Harm_U_LL_PERC_16_L23	32110	float	%	
Harm_U_LL_PERC_17_L23	32112	float	%	
Harm_U_LL_PERC_18_L23	32114	float	%	
Harm_U_LL_PERC_19_L23	32116	float	%	
Harm_U_LL_PERC_20_L23	32118	float	%	
Harm_U_LL_PERC_21_L23	32120	float	%	
Harm_U_LL_PERC_22_L23	32122	float	%	
Harm_U_LL_PERC_23_L23	32124	float	%	
Harm_U_LL_PERC_24_L23	32126	float	%	
Harm_U_LL_PERC_25_L23	32128	float	%	
Harm_U_LL_PERC_26_L23	32130	float	%	
Harm_U_LL_PERC_27_L23	32132	float	%	
Harm_U_LL_PERC_28_L23	32134	float	%	
Harm_U_LL_PERC_29_L23	32136	float	%	
Harm_U_LL_PERC_30_L23	32138	float	%	

Line voltage harmonics				
DESCRIPTION	ADDRESS	TYPE	UNIT	Note
Harm_U_LL_PERC_31_L23	32140	float	%	
Harm_U_LL_PERC_32_L23	32142	float	%	
Harm_U_LL_PERC_33_L23	32144	float	%	
Harm_U_LL_PERC_34_L23	32146	float	%	
Harm_U_LL_PERC_35_L23	32148	float	%	
Harm_U_LL_PERC_36_L23	32150	float	%	
Harm_U_LL_PERC_37_L23	32152	float	%	
Harm_U_LL_PERC_38_L23	32154	float	%	
Harm_U_LL_PERC_39_L23	32156	float	%	
Harm_U_LL_PERC_40_L23	32158	float	%	
Harm_U_LL_PERC_1_L31	32160	float	%	
Harm_U_LL_PERC_2_L31	32162	float	%	
Harm_U_LL_PERC_3_L31	32164	float	%	
Harm_U_LL_PERC_4_L31	32166	float	%	
Harm_U_LL_PERC_5_L31	32168	float	%	
Harm_U_LL_PERC_6_L31	32170	float	%	
Harm_U_LL_PERC_7_L31	32172	float	%	
Harm_U_LL_PERC_8_L31	32174	float	%	
Harm_U_LL_PERC_9_L31	32176	float	%	
Harm_U_LL_PERC_10_L31	32178	float	%	
Harm_U_LL_PERC_11_L31	32180	float	%	
Harm_U_LL_PERC_12_L31	32182	float	%	
Harm_U_LL_PERC_13_L31	32184	float	%	
Harm_U_LL_PERC_14_L31	32186	float	%	
Harm_U_LL_PERC_15_L31	32188	float	%	
Harm_U_LL_PERC_16_L31	32190	float	%	
Harm_U_LL_PERC_17_L31	32192	float	%	
Harm_U_LL_PERC_18_L31	32194	float	%	
Harm_U_LL_PERC_19_L31	32196	float	%	
Harm_U_LL_PERC_20_L31	32198	float	%	
Harm_U_LL_PERC_21_L31	32200	float	%	
Harm_U_LL_PERC_22_L31	32202	float	%	
Harm_U_LL_PERC_23_L31	32204	float	%	
Harm_U_LL_PERC_24_L31	32206	float	%	
Harm_U_LL_PERC_25_L31	32208	float	%	
Harm_U_LL_PERC_26_L31	32210	float	%	
Harm_U_LL_PERC_27_L31	32212	float	%	
Harm_U_LL_PERC_28_L31	32214	float	%	
Harm_U_LL_PERC_29_L31	32216	float	%	
Harm_U_LL_PERC_30_L31	32218	float	%	
Harm_U_LL_PERC_31_L31	32220	float	%	
Harm_U_LL_PERC_32_L31	32222	float	%	
Harm_U_LL_PERC_33_L31	32224	float	%	
Harm_U_LL_PERC_34_L31	32226	float	%	
Harm_U_LL_PERC_35_L31	32228	float	%	
Harm_U_LL_PERC_36_L31	32230	float	%	
Harm_U_LL_PERC_37_L31	32232	float	%	
Harm_U_LL_PERC_38_L31	32234	float	%	
Harm_U_LL_PERC_39_L31	32236	float	%	
Harm_U_LL_PERC_40_L31	32238	float	%	

Max phase voltage harmonics				
DESCRIPTION	ADDRESS	TYPE	UNIT	Note
Max_Harm_U_LN_1_L1	32300	float	V	
Max_Harm_U_LN_2_L1	32302	float	V	
Max_Harm_U_LN_3_L1	32304	float	V	
Max_Harm_U_LN_4_L1	32306	float	V	
Max_Harm_U_LN_5_L1	32308	float	V	
Max_Harm_U_LN_6_L1	32310	float	V	
Max_Harm_U_LN_7_L1	32312	float	V	
Max_Harm_U_LN_8_L1	32314	float	V	
Max_Harm_U_LN_9_L1	32316	float	V	
Max_Harm_U_LN_10_L1	32318	float	V	
Max_Harm_U_LN_11_L1	32320	float	V	
Max_Harm_U_LN_12_L1	32322	float	V	
Max_Harm_U_LN_13_L1	32324	float	V	
Max_Harm_U_LN_14_L1	32326	float	V	
Max_Harm_U_LN_15_L1	32328	float	V	
Max_Harm_U_LN_16_L1	32330	float	V	
Max_Harm_U_LN_17_L1	32332	float	V	
Max_Harm_U_LN_18_L1	32334	float	V	
Max_Harm_U_LN_19_L1	32336	float	V	
Max_Harm_U_LN_20_L1	32338	float	V	
Max_Harm_U_LN_21_L1	32340	float	V	
Max_Harm_U_LN_22_L1	32342	float	V	
Max_Harm_U_LN_23_L1	32344	float	V	
Max_Harm_U_LN_24_L1	32346	float	V	
Max_Harm_U_LN_25_L1	32348	float	V	
Max_Harm_U_LN_26_L1	32350	float	V	
Max_Harm_U_LN_27_L1	32352	float	V	
Max_Harm_U_LN_28_L1	32354	float	V	
Max_Harm_U_LN_29_L1	32356	float	V	
Max_Harm_U_LN_30_L1	32358	float	V	
Max_Harm_U_LN_31_L1	32360	float	V	
Max_Harm_U_LN_32_L1	32362	float	V	
Max_Harm_U_LN_33_L1	32364	float	V	
Max_Harm_U_LN_34_L1	32366	float	V	
Max_Harm_U_LN_35_L1	32368	float	V	
Max_Harm_U_LN_36_L1	32370	float	V	
Max_Harm_U_LN_37_L1	32372	float	V	
Max_Harm_U_LN_38_L1	32374	float	V	
Max_Harm_U_LN_39_L1	32376	float	V	
Max_Harm_U_LN_40_L1	32378	float	V	
Max_Harm_U_LN_1_L2	32380	float	V	
Max_Harm_U_LN_2_L2	32382	float	V	
Max_Harm_U_LN_3_L2	32384	float	V	
Max_Harm_U_LN_4_L2	32386	float	V	
Max_Harm_U_LN_5_L2	32388	float	V	
Max_Harm_U_LN_6_L2	32390	float	V	
Max_Harm_U_LN_7_L2	32392	float	V	
Max_Harm_U_LN_8_L2	32394	float	V	
Max_Harm_U_LN_9_L2	32396	float	V	
Max_Harm_U_LN_10_L2	32398	float	V	
Max_Harm_U_LN_11_L2	32400	float	V	
Max_Harm_U_LN_12_L2	32402	float	V	
Max_Harm_U_LN_13_L2	32404	float	V	
Max_Harm_U_LN_14_L2	32406	float	V	
Max_Harm_U_LN_15_L2	32408	float	V	
Max_Harm_U_LN_16_L2	32410	float	V	
Max_Harm_U_LN_17_L2	32412	float	V	
Max_Harm_U_LN_18_L2	32414	float	V	
Max_Harm_U_LN_19_L2	32416	float	V	
Max_Harm_U_LN_20_L2	32418	float	V	
Max_Harm_U_LN_21_L2	32420	float	V	
Max_Harm_U_LN_22_L2	32422	float	V	
Max_Harm_U_LN_23_L2	32424	float	V	
Max_Harm_U_LN_24_L2	32426	float	V	
Max_Harm_U_LN_25_L2	32428	float	V	
Max_Harm_U_LN_26_L2	32430	float	V	
Max_Harm_U_LN_27_L2	32432	float	V	
Max_Harm_U_LN_28_L2	32434	float	V	
Max_Harm_U_LN_29_L2	32436	float	V	
Max_Harm_U_LN_30_L2	32438	float	V	

Max phase voltage harmonics				
DESCRIPTION	ADDRESS	TYPE	UNIT	Note
Max_Harm_U_LN_31_L2	32440	float	V	
Max_Harm_U_LN_32_L2	32442	float	V	
Max_Harm_U_LN_33_L2	32444	float	V	
Max_Harm_U_LN_34_L2	32446	float	V	
Max_Harm_U_LN_35_L2	32448	float	V	
Max_Harm_U_LN_36_L2	32450	float	V	
Max_Harm_U_LN_37_L2	32452	float	V	
Max_Harm_U_LN_38_L2	32454	float	V	
Max_Harm_U_LN_39_L2	32456	float	V	
Max_Harm_U_LN_40_L2	32458	float	V	
Max_Harm_U_LN_1_L3	32460	float	V	
Max_Harm_U_LN_2_L3	32462	float	V	
Max_Harm_U_LN_3_L3	32464	float	V	
Max_Harm_U_LN_4_L3	32466	float	V	
Max_Harm_U_LN_5_L3	32468	float	V	
Max_Harm_U_LN_6_L3	32470	float	V	
Max_Harm_U_LN_7_L3	32472	float	V	
Max_Harm_U_LN_8_L3	32474	float	V	
Max_Harm_U_LN_9_L3	32476	float	V	
Max_Harm_U_LN_10_L3	32478	float	V	
Max_Harm_U_LN_11_L3	32480	float	V	
Max_Harm_U_LN_12_L3	32482	float	V	
Max_Harm_U_LN_13_L3	32484	float	V	
Max_Harm_U_LN_14_L3	32486	float	V	
Max_Harm_U_LN_15_L3	32488	float	V	
Max_Harm_U_LN_16_L3	32490	float	V	
Max_Harm_U_LN_17_L3	32492	float	V	
Max_Harm_U_LN_18_L3	32494	float	V	
Max_Harm_U_LN_19_L3	32496	float	V	
Max_Harm_U_LN_20_L3	32498	float	V	
Max_Harm_U_LN_21_L3	32500	float	V	
Max_Harm_U_LN_22_L3	32502	float	V	
Max_Harm_U_LN_23_L3	32504	float	V	
Max_Harm_U_LN_24_L3	32506	float	V	
Max_Harm_U_LN_25_L3	32508	float	V	
Max_Harm_U_LN_26_L3	32510	float	V	
Max_Harm_U_LN_27_L3	32512	float	V	
Max_Harm_U_LN_28_L3	32514	float	V	
Max_Harm_U_LN_29_L3	32516	float	V	
Max_Harm_U_LN_30_L3	32518	float	V	
Max_Harm_U_LN_31_L3	32520	float	V	
Max_Harm_U_LN_32_L3	32522	float	V	
Max_Harm_U_LN_33_L3	32524	float	V	
Max_Harm_U_LN_34_L3	32526	float	V	
Max_Harm_U_LN_35_L3	32528	float	V	
Max_Harm_U_LN_36_L3	32530	float	V	
Max_Harm_U_LN_37_L3	32532	float	V	
Max_Harm_U_LN_38_L3	32534	float	V	
Max_Harm_U_LN_39_L3	32536	float	V	
Max_Harm_U_LN_40_L3	32538	float	V	

Max current harmonics				
DESCRIPTION	ADDRESS	TYPE	UNIT	Note
Max_Harm_I_1_L1	32540	float	A	
Max_Harm_I_2_L1	32542	float	A	
Max_Harm_I_3_L1	32544	float	A	
Max_Harm_I_4_L1	32546	float	A	
Max_Harm_I_5_L1	32548	float	A	
Max_Harm_I_6_L1	32550	float	A	
Max_Harm_I_7_L1	32552	float	A	
Max_Harm_I_8_L1	32554	float	A	
Max_Harm_I_9_L1	32556	float	A	
Max_Harm_I_10_L1	32558	float	A	
Max_Harm_I_11_L1	32560	float	A	
Max_Harm_I_12_L1	32562	float	A	
Max_Harm_I_13_L1	32564	float	A	
Max_Harm_I_14_L1	32566	float	A	
Max_Harm_I_15_L1	32568	float	A	
Max_Harm_I_16_L1	32570	float	A	
Max_Harm_I_17_L1	32572	float	A	
Max_Harm_I_18_L1	32574	float	A	
Max_Harm_I_19_L1	32576	float	A	
Max_Harm_I_20_L1	32578	float	A	
Max_Harm_I_21_L1	32580	float	A	
Max_Harm_I_22_L1	32582	float	A	
Max_Harm_I_23_L1	32584	float	A	
Max_Harm_I_24_L1	32586	float	A	
Max_Harm_I_25_L1	32588	float	A	
Max_Harm_I_26_L1	32590	float	A	
Max_Harm_I_27_L1	32592	float	A	
Max_Harm_I_28_L1	32594	float	A	
Max_Harm_I_29_L1	32596	float	A	
Max_Harm_I_30_L1	32598	float	A	
Max_Harm_I_31_L1	32600	float	A	
Max_Harm_I_32_L1	32602	float	A	
Max_Harm_I_33_L1	32604	float	A	
Max_Harm_I_34_L1	32606	float	A	
Max_Harm_I_35_L1	32608	float	A	
Max_Harm_I_36_L1	32610	float	A	
Max_Harm_I_37_L1	32612	float	A	
Max_Harm_I_38_L1	32614	float	A	
Max_Harm_I_39_L1	32616	float	A	
Max_Harm_I_40_L1	32618	float	A	
Max_Harm_I_1_L2	32620	float	A	
Max_Harm_I_2_L2	32622	float	A	
Max_Harm_I_3_L2	32624	float	A	
Max_Harm_I_4_L2	32626	float	A	
Max_Harm_I_5_L2	32628	float	A	
Max_Harm_I_6_L2	32630	float	A	
Max_Harm_I_7_L2	32632	float	A	
Max_Harm_I_8_L2	32634	float	A	
Max_Harm_I_9_L2	32636	float	A	
Max_Harm_I_10_L2	32638	float	A	
Max_Harm_I_11_L2	32640	float	A	
Max_Harm_I_12_L2	32642	float	A	
Max_Harm_I_13_L2	32644	float	A	
Max_Harm_I_14_L2	32646	float	A	
Max_Harm_I_15_L2	32648	float	A	
Max_Harm_I_16_L2	32650	float	A	
Max_Harm_I_17_L2	32652	float	A	
Max_Harm_I_18_L2	32654	float	A	
Max_Harm_I_19_L2	32656	float	A	
Max_Harm_I_20_L2	32658	float	A	
Max_Harm_I_21_L2	32660	float	A	
Max_Harm_I_22_L2	32662	float	A	
Max_Harm_I_23_L2	32664	float	A	
Max_Harm_I_24_L2	32666	float	A	
Max_Harm_I_25_L2	32668	float	A	
Max_Harm_I_26_L2	32670	float	A	
Max_Harm_I_27_L2	32672	float	A	
Max_Harm_I_28_L2	32674	float	A	
Max_Harm_I_29_L2	32676	float	A	
Max_Harm_I_30_L2	32678	float	A	

Max current harmonics				
DESCRIPTION	ADDRESS	TYPE	UNIT	Note
Max_Harm_I_31_L2	32680	float	A	
Max_Harm_I_32_L2	32682	float	A	
Max_Harm_I_33_L2	32684	float	A	
Max_Harm_I_34_L2	32686	float	A	
Max_Harm_I_35_L2	32688	float	A	
Max_Harm_I_36_L2	32690	float	A	
Max_Harm_I_37_L2	32692	float	A	
Max_Harm_I_38_L2	32694	float	A	
Max_Harm_I_39_L2	32696	float	A	
Max_Harm_I_40_L2	32698	float	A	
Max_Harm_I_1_L3	32700	float	A	
Max_Harm_I_2_L3	32702	float	A	
Max_Harm_I_3_L3	32704	float	A	
Max_Harm_I_4_L3	32706	float	A	
Max_Harm_I_5_L3	32708	float	A	
Max_Harm_I_6_L3	32710	float	A	
Max_Harm_I_7_L3	32712	float	A	
Max_Harm_I_8_L3	32714	float	A	
Max_Harm_I_9_L3	32716	float	A	
Max_Harm_I_10_L3	32718	float	A	
Max_Harm_I_11_L3	32720	float	A	
Max_Harm_I_12_L3	32722	float	A	
Max_Harm_I_13_L3	32724	float	A	
Max_Harm_I_14_L3	32726	float	A	
Max_Harm_I_15_L3	32728	float	A	
Max_Harm_I_16_L3	32730	float	A	
Max_Harm_I_17_L3	32732	float	A	
Max_Harm_I_18_L3	32734	float	A	
Max_Harm_I_19_L3	32736	float	A	
Max_Harm_I_20_L3	32738	float	A	
Max_Harm_I_21_L3	32740	float	A	
Max_Harm_I_22_L3	32742	float	A	
Max_Harm_I_23_L3	32744	float	A	
Max_Harm_I_24_L3	32746	float	A	
Max_Harm_I_25_L3	32748	float	A	
Max_Harm_I_26_L3	32750	float	A	
Max_Harm_I_27_L3	32752	float	A	
Max_Harm_I_28_L3	32754	float	A	
Max_Harm_I_29_L3	32756	float	A	
Max_Harm_I_30_L3	32758	float	A	
Max_Harm_I_31_L3	32760	float	A	
Max_Harm_I_32_L3	32762	float	A	
Max_Harm_I_33_L3	32764	float	A	
Max_Harm_I_34_L3	32766	float	A	
Max_Harm_I_35_L3	32768	float	A	
Max_Harm_I_36_L3	32770	float	A	
Max_Harm_I_37_L3	32772	float	A	
Max_Harm_I_38_L3	32774	float	A	
Max_Harm_I_39_L3	32776	float	A	
Max_Harm_I_40_L3	32778	float	A	

Max line voltage harmonics				
DESCRIPTION	ADDRESS	TYPE	UNIT	Note
Max_Harm_U_LL_1_L12	32780	float	V	
Max_Harm_U_LL_2_L12	32782	float	V	
Max_Harm_U_LL_3_L12	32784	float	V	
Max_Harm_U_LL_4_L12	32786	float	V	
Max_Harm_U_LL_5_L12	32788	float	V	
Max_Harm_U_LL_6_L12	32790	float	V	
Max_Harm_U_LL_7_L12	32792	float	V	
Max_Harm_U_LL_8_L12	32794	float	V	
Max_Harm_U_LL_9_L12	32796	float	V	
Max_Harm_U_LL_10_L12	32798	float	V	
Max_Harm_U_LL_11_L12	32800	float	V	
Max_Harm_U_LL_12_L12	32802	float	V	
Max_Harm_U_LL_13_L12	32804	float	V	
Max_Harm_U_LL_14_L12	32806	float	V	
Max_Harm_U_LL_15_L12	32808	float	V	
Max_Harm_U_LL_16_L12	32810	float	V	
Max_Harm_U_LL_17_L12	32812	float	V	
Max_Harm_U_LL_18_L12	32814	float	V	
Max_Harm_U_LL_19_L12	32816	float	V	
Max_Harm_U_LL_20_L12	32818	float	V	
Max_Harm_U_LL_21_L12	32820	float	V	
Max_Harm_U_LL_22_L12	32822	float	V	
Max_Harm_U_LL_23_L12	32824	float	V	
Max_Harm_U_LL_24_L12	32826	float	V	
Max_Harm_U_LL_25_L12	32828	float	V	
Max_Harm_U_LL_26_L12	32830	float	V	
Max_Harm_U_LL_27_L12	32832	float	V	
Max_Harm_U_LL_28_L12	32834	float	V	
Max_Harm_U_LL_29_L12	32836	float	V	
Max_Harm_U_LL_30_L12	32838	float	V	
Max_Harm_U_LL_31_L12	32840	float	V	
Max_Harm_U_LL_32_L12	32842	float	V	
Max_Harm_U_LL_33_L12	32844	float	V	
Max_Harm_U_LL_34_L12	32846	float	V	
Max_Harm_U_LL_35_L12	32848	float	V	
Max_Harm_U_LL_36_L12	32850	float	V	
Max_Harm_U_LL_37_L12	32852	float	V	
Max_Harm_U_LL_38_L12	32854	float	V	
Max_Harm_U_LL_39_L12	32856	float	V	
Max_Harm_U_LL_40_L12	32858	float	V	
Max_Harm_U_LL_1_L23	32860	float	V	
Max_Harm_U_LL_2_L23	32862	float	V	
Max_Harm_U_LL_3_L23	32864	float	V	
Max_Harm_U_LL_4_L23	32866	float	V	
Max_Harm_U_LL_5_L23	32868	float	V	
Max_Harm_U_LL_6_L23	32870	float	V	
Max_Harm_U_LL_7_L23	32872	float	V	
Max_Harm_U_LL_8_L23	32874	float	V	
Max_Harm_U_LL_9_L23	32876	float	V	
Max_Harm_U_LL_10_L23	32878	float	V	
Max_Harm_U_LL_11_L23	32880	float	V	
Max_Harm_U_LL_12_L23	32882	float	V	
Max_Harm_U_LL_13_L23	32884	float	V	
Max_Harm_U_LL_14_L23	32886	float	V	
Max_Harm_U_LL_15_L23	32888	float	V	
Max_Harm_U_LL_16_L23	32890	float	V	
Max_Harm_U_LL_17_L23	32892	float	V	
Max_Harm_U_LL_18_L23	32894	float	V	
Max_Harm_U_LL_19_L23	32896	float	V	
Max_Harm_U_LL_20_L23	32898	float	V	
Max_Harm_U_LL_21_L23	32900	float	V	
Max_Harm_U_LL_22_L23	32902	float	V	
Max_Harm_U_LL_23_L23	32904	float	V	
Max_Harm_U_LL_24_L23	32906	float	V	
Max_Harm_U_LL_25_L23	32908	float	V	
Max_Harm_U_LL_26_L23	32910	float	V	
Max_Harm_U_LL_27_L23	32912	float	V	
Max_Harm_U_LL_28_L23	32914	float	V	
Max_Harm_U_LL_29_L23	32916	float	V	
Max_Harm_U_LL_30_L23	32918	float	V	

Max line voltage harmonics				
DESCRIPTION	ADDRESS	TYPE	UNIT	Note
Max_Harm_U_LL_31_L23	32920	float	V	
Max_Harm_U_LL_32_L23	32922	float	V	
Max_Harm_U_LL_33_L23	32924	float	V	
Max_Harm_U_LL_34_L23	32926	float	V	
Max_Harm_U_LL_35_L23	32928	float	V	
Max_Harm_U_LL_36_L23	32930	float	V	
Max_Harm_U_LL_37_L23	32932	float	V	
Max_Harm_U_LL_38_L23	32934	float	V	
Max_Harm_U_LL_39_L23	32936	float	V	
Max_Harm_U_LL_40_L23	32938	float	V	
Max_Harm_U_LL_1_L31	32940	float	V	
Max_Harm_U_LL_2_L31	32942	float	V	
Max_Harm_U_LL_3_L31	32944	float	V	
Max_Harm_U_LL_4_L31	32946	float	V	
Max_Harm_U_LL_5_L31	32948	float	V	
Max_Harm_U_LL_6_L31	32950	float	V	
Max_Harm_U_LL_7_L31	32952	float	V	
Max_Harm_U_LL_8_L31	32954	float	V	
Max_Harm_U_LL_9_L31	32956	float	V	
Max_Harm_U_LL_10_L31	32958	float	V	
Max_Harm_U_LL_11_L31	32960	float	V	
Max_Harm_U_LL_12_L31	32962	float	V	
Max_Harm_U_LL_13_L31	32964	float	V	
Max_Harm_U_LL_14_L31	32966	float	V	
Max_Harm_U_LL_15_L31	32968	float	V	
Max_Harm_U_LL_16_L31	32970	float	V	
Max_Harm_U_LL_17_L31	32972	float	V	
Max_Harm_U_LL_18_L31	32974	float	V	
Max_Harm_U_LL_19_L31	32976	float	V	
Max_Harm_U_LL_20_L31	32978	float	V	
Max_Harm_U_LL_21_L31	32980	float	V	
Max_Harm_U_LL_22_L31	32982	float	V	
Max_Harm_U_LL_23_L31	32984	float	V	
Max_Harm_U_LL_24_L31	32986	float	V	
Max_Harm_U_LL_25_L31	32988	float	V	
Max_Harm_U_LL_26_L31	32990	float	V	
Max_Harm_U_LL_27_L31	32992	float	V	
Max_Harm_U_LL_28_L31	32994	float	V	
Max_Harm_U_LL_29_L31	32996	float	V	
Max_Harm_U_LL_30_L31	32998	float	V	
Max_Harm_U_LL_31_L31	33000	float	V	
Max_Harm_U_LL_32_L31	33002	float	V	
Max_Harm_U_LL_33_L31	33004	float	V	
Max_Harm_U_LL_34_L31	33006	float	V	
Max_Harm_U_LL_35_L31	33008	float	V	
Max_Harm_U_LL_36_L31	33010	float	V	
Max_Harm_U_LL_37_L31	33012	float	V	
Max_Harm_U_LL_38_L31	33014	float	V	
Max_Harm_U_LL_39_L31	33016	float	V	
Max_Harm_U_LL_40_L31	33018	float	V	

Max phase voltage harmonics				
DESCRIPTION	ADDRESS	TYPE	UNIT	Note
Max_Harm_U_LN_PERC_1_L1	33020	float	%	
Max_Harm_U_LN_PERC_2_L1	33022	float	%	
Max_Harm_U_LN_PERC_3_L1	33024	float	%	
Max_Harm_U_LN_PERC_4_L1	33026	float	%	
Max_Harm_U_LN_PERC_5_L1	33028	float	%	
Max_Harm_U_LN_PERC_6_L1	33030	float	%	
Max_Harm_U_LN_PERC_7_L1	33032	float	%	
Max_Harm_U_LN_PERC_8_L1	33034	float	%	
Max_Harm_U_LN_PERC_9_L1	33036	float	%	
Max_Harm_U_LN_PERC_10_L1	33038	float	%	
Max_Harm_U_LN_PERC_11_L1	33040	float	%	
Max_Harm_U_LN_PERC_12_L1	33042	float	%	
Max_Harm_U_LN_PERC_13_L1	33044	float	%	
Max_Harm_U_LN_PERC_14_L1	33046	float	%	
Max_Harm_U_LN_PERC_15_L1	33048	float	%	
Max_Harm_U_LN_PERC_16_L1	33050	float	%	
Max_Harm_U_LN_PERC_17_L1	33052	float	%	
Max_Harm_U_LN_PERC_18_L1	33054	float	%	
Max_Harm_U_LN_PERC_19_L1	33056	float	%	
Max_Harm_U_LN_PERC_20_L1	33058	float	%	
Max_Harm_U_LN_PERC_21_L1	33060	float	%	
Max_Harm_U_LN_PERC_22_L1	33062	float	%	
Max_Harm_U_LN_PERC_23_L1	33064	float	%	
Max_Harm_U_LN_PERC_24_L1	33066	float	%	
Max_Harm_U_LN_PERC_25_L1	33068	float	%	
Max_Harm_U_LN_PERC_26_L1	33070	float	%	
Max_Harm_U_LN_PERC_27_L1	33072	float	%	
Max_Harm_U_LN_PERC_28_L1	33074	float	%	
Max_Harm_U_LN_PERC_29_L1	33076	float	%	
Max_Harm_U_LN_PERC_30_L1	33078	float	%	
Max_Harm_U_LN_PERC_31_L1	33080	float	%	
Max_Harm_U_LN_PERC_32_L1	33082	float	%	
Max_Harm_U_LN_PERC_33_L1	33084	float	%	
Max_Harm_U_LN_PERC_34_L1	33086	float	%	
Max_Harm_U_LN_PERC_35_L1	33088	float	%	
Max_Harm_U_LN_PERC_36_L1	33090	float	%	
Max_Harm_U_LN_PERC_37_L1	33092	float	%	
Max_Harm_U_LN_PERC_38_L1	33094	float	%	
Max_Harm_U_LN_PERC_39_L1	33096	float	%	
Max_Harm_U_LN_PERC_40_L1	33098	float	%	
Max_Harm_U_LN_PERC_1_L2	33100	float	%	
Max_Harm_U_LN_PERC_2_L2	33102	float	%	
Max_Harm_U_LN_PERC_3_L2	33104	float	%	
Max_Harm_U_LN_PERC_4_L2	33106	float	%	
Max_Harm_U_LN_PERC_5_L2	33108	float	%	
Max_Harm_U_LN_PERC_6_L2	33110	float	%	
Max_Harm_U_LN_PERC_7_L2	33112	float	%	
Max_Harm_U_LN_PERC_8_L2	33114	float	%	
Max_Harm_U_LN_PERC_9_L2	33116	float	%	
Max_Harm_U_LN_PERC_10_L2	33118	float	%	
Max_Harm_U_LN_PERC_11_L2	33120	float	%	
Max_Harm_U_LN_PERC_12_L2	33122	float	%	
Max_Harm_U_LN_PERC_13_L2	33124	float	%	
Max_Harm_U_LN_PERC_14_L2	33126	float	%	
Max_Harm_U_LN_PERC_15_L2	33128	float	%	
Max_Harm_U_LN_PERC_16_L2	33130	float	%	
Max_Harm_U_LN_PERC_17_L2	33132	float	%	
Max_Harm_U_LN_PERC_18_L2	33134	float	%	
Max_Harm_U_LN_PERC_19_L2	33136	float	%	
Max_Harm_U_LN_PERC_20_L2	33138	float	%	
Max_Harm_U_LN_PERC_21_L2	33140	float	%	
Max_Harm_U_LN_PERC_22_L2	33142	float	%	
Max_Harm_U_LN_PERC_23_L2	33144	float	%	
Max_Harm_U_LN_PERC_24_L2	33146	float	%	
Max_Harm_U_LN_PERC_25_L2	33148	float	%	
Max_Harm_U_LN_PERC_26_L2	33150	float	%	
Max_Harm_U_LN_PERC_27_L2	33152	float	%	
Max_Harm_U_LN_PERC_28_L2	33154	float	%	
Max_Harm_U_LN_PERC_29_L2	33156	float	%	
Max_Harm_U_LN_PERC_30_L2	33158	float	%	

Max phase voltage harmonics				
DESCRIPTION	ADDRESS	TYPE	UNIT	Note
Max_Harm_U_LN_PERC_31_L2	33160	float	%	
Max_Harm_U_LN_PERC_32_L2	33162	float	%	
Max_Harm_U_LN_PERC_33_L2	33164	float	%	
Max_Harm_U_LN_PERC_34_L2	33166	float	%	
Max_Harm_U_LN_PERC_35_L2	33168	float	%	
Max_Harm_U_LN_PERC_36_L2	33170	float	%	
Max_Harm_U_LN_PERC_37_L2	33172	float	%	
Max_Harm_U_LN_PERC_38_L2	33174	float	%	
Max_Harm_U_LN_PERC_39_L2	33176	float	%	
Max_Harm_U_LN_PERC_40_L2	33178	float	%	
Max_Harm_U_LN_PERC_1_L3	33180	float	%	
Max_Harm_U_LN_PERC_2_L3	33182	float	%	
Max_Harm_U_LN_PERC_3_L3	33184	float	%	
Max_Harm_U_LN_PERC_4_L3	33186	float	%	
Max_Harm_U_LN_PERC_5_L3	33188	float	%	
Max_Harm_U_LN_PERC_6_L3	33190	float	%	
Max_Harm_U_LN_PERC_7_L3	33192	float	%	
Max_Harm_U_LN_PERC_8_L3	33194	float	%	
Max_Harm_U_LN_PERC_9_L3	33196	float	%	
Max_Harm_U_LN_PERC_10_L3	33198	float	%	
Max_Harm_U_LN_PERC_11_L3	33200	float	%	
Max_Harm_U_LN_PERC_12_L3	33202	float	%	
Max_Harm_U_LN_PERC_13_L3	33204	float	%	
Max_Harm_U_LN_PERC_14_L3	33206	float	%	
Max_Harm_U_LN_PERC_15_L3	33208	float	%	
Max_Harm_U_LN_PERC_16_L3	33210	float	%	
Max_Harm_U_LN_PERC_17_L3	33212	float	%	
Max_Harm_U_LN_PERC_18_L3	33214	float	%	
Max_Harm_U_LN_PERC_19_L3	33216	float	%	
Max_Harm_U_LN_PERC_20_L3	33218	float	%	
Max_Harm_U_LN_PERC_21_L3	33220	float	%	
Max_Harm_U_LN_PERC_22_L3	33222	float	%	
Max_Harm_U_LN_PERC_23_L3	33224	float	%	
Max_Harm_U_LN_PERC_24_L3	33226	float	%	
Max_Harm_U_LN_PERC_25_L3	33228	float	%	
Max_Harm_U_LN_PERC_26_L3	33230	float	%	
Max_Harm_U_LN_PERC_27_L3	33232	float	%	
Max_Harm_U_LN_PERC_28_L3	33234	float	%	
Max_Harm_U_LN_PERC_29_L3	33236	float	%	
Max_Harm_U_LN_PERC_30_L3	33238	float	%	
Max_Harm_U_LN_PERC_31_L3	33240	float	%	
Max_Harm_U_LN_PERC_32_L3	33242	float	%	
Max_Harm_U_LN_PERC_33_L3	33244	float	%	
Max_Harm_U_LN_PERC_34_L3	33246	float	%	
Max_Harm_U_LN_PERC_35_L3	33248	float	%	
Max_Harm_U_LN_PERC_36_L3	33250	float	%	
Max_Harm_U_LN_PERC_37_L3	33252	float	%	
Max_Harm_U_LN_PERC_38_L3	33254	float	%	
Max_Harm_U_LN_PERC_39_L3	33256	float	%	
Max_Harm_U_LN_PERC_40_L3	33258	float	%	

Max current harmonics					
DESCRIPTION	ADDRESS	TYPE	UNIT	Note	
Max_Harm_I_PERC_1_L1	33260	float	%		
Max_Harm_I_PERC_2_L1	33262	float	%		
Max_Harm_I_PERC_3_L1	33264	float	%		
Max_Harm_I_PERC_4_L1	33266	float	%		
Max_Harm_I_PERC_5_L1	33268	float	%		
Max_Harm_I_PERC_6_L1	33270	float	%		
Max_Harm_I_PERC_7_L1	33272	float	%		
Max_Harm_I_PERC_8_L1	33274	float	%		
Max_Harm_I_PERC_9_L1	33276	float	%		
Max_Harm_I_PERC_10_L1	33278	float	%		
Max_Harm_I_PERC_11_L1	33280	float	%		
Max_Harm_I_PERC_12_L1	33282	float	%		
Max_Harm_I_PERC_13_L1	33284	float	%		
Max_Harm_I_PERC_14_L1	33286	float	%		
Max_Harm_I_PERC_15_L1	33288	float	%		
Max_Harm_I_PERC_16_L1	33290	float	%		
Max_Harm_I_PERC_17_L1	33292	float	%		
Max_Harm_I_PERC_18_L1	33294	float	%		
Max_Harm_I_PERC_19_L1	33296	float	%		
Max_Harm_I_PERC_20_L1	33298	float	%		
Max_Harm_I_PERC_21_L1	33300	float	%		
Max_Harm_I_PERC_22_L1	33302	float	%		
Max_Harm_I_PERC_23_L1	33304	float	%		
Max_Harm_I_PERC_24_L1	33306	float	%		
Max_Harm_I_PERC_25_L1	33308	float	%		
Max_Harm_I_PERC_26_L1	33310	float	%		
Max_Harm_I_PERC_27_L1	33312	float	%		
Max_Harm_I_PERC_28_L1	33314	float	%		
Max_Harm_I_PERC_29_L1	33316	float	%		
Max_Harm_I_PERC_30_L1	33318	float	%		
Max_Harm_I_PERC_31_L1	33320	float	%		
Max_Harm_I_PERC_32_L1	33322	float	%		
Max_Harm_I_PERC_33_L1	33324	float	%		
Max_Harm_I_PERC_34_L1	33326	float	%		
Max_Harm_I_PERC_35_L1	33328	float	%		
Max_Harm_I_PERC_36_L1	33330	float	%		
Max_Harm_I_PERC_37_L1	33332	float	%		
Max_Harm_I_PERC_38_L1	33334	float	%		
Max_Harm_I_PERC_39_L1	33336	float	%		
Max_Harm_I_PERC_40_L1	33338	float	%		
Max_Harm_I_PERC_1_L2	33340	float	%		
Max_Harm_I_PERC_2_L2	33342	float	%		
Max_Harm_I_PERC_3_L2	33344	float	%		
Max_Harm_I_PERC_4_L2	33346	float	%		
Max_Harm_I_PERC_5_L2	33348	float	%		
Max_Harm_I_PERC_6_L2	33350	float	%		
Max_Harm_I_PERC_7_L2	33352	float	%		
Max_Harm_I_PERC_8_L2	33354	float	%		
Max_Harm_I_PERC_9_L2	33356	float	%		
Max_Harm_I_PERC_10_L2	33358	float	%		
Max_Harm_I_PERC_11_L2	33360	float	%		
Max_Harm_I_PERC_12_L2	33362	float	%		
Max_Harm_I_PERC_13_L2	33364	float	%		
Max_Harm_I_PERC_14_L2	33366	float	%		
Max_Harm_I_PERC_15_L2	33368	float	%		
Max_Harm_I_PERC_16_L2	33370	float	%		
Max_Harm_I_PERC_17_L2	33372	float	%		
Max_Harm_I_PERC_18_L2	33374	float	%		
Max_Harm_I_PERC_19_L2	33376	float	%		
Max_Harm_I_PERC_20_L2	33378	float	%		
Max_Harm_I_PERC_21_L2	33380	float	%		
Max_Harm_I_PERC_22_L2	33382	float	%		
Max_Harm_I_PERC_23_L2	33384	float	%		
Max_Harm_I_PERC_24_L2	33386	float	%		
Max_Harm_I_PERC_25_L2	33388	float	%		
Max_Harm_I_PERC_26_L2	33390	float	%		
Max_Harm_I_PERC_27_L2	33392	float	%		
Max_Harm_I_PERC_28_L2	33394	float	%		
Max_Harm_I_PERC_29_L2	33396	float	%		
Max_Harm_I_PERC_30_L2	33398	float	%		

Max current voltage harmonics

DESCRIPTION	ADDRESS	TYPE	UNIT	Note
Max_Harm_I_PERC_31_L2	33400	float	%	
Max_Harm_I_PERC_32_L2	33402	float	%	
Max_Harm_I_PERC_33_L2	33404	float	%	
Max_Harm_I_PERC_34_L2	33406	float	%	
Max_Harm_I_PERC_35_L2	33408	float	%	
Max_Harm_I_PERC_36_L2	33410	float	%	
Max_Harm_I_PERC_37_L2	33412	float	%	
Max_Harm_I_PERC_38_L2	33414	float	%	
Max_Harm_I_PERC_39_L2	33416	float	%	
Max_Harm_I_PERC_40_L2	33418	float	%	
Max_Harm_I_PERC_1_L3	33420	float	%	
Max_Harm_I_PERC_2_L3	33422	float	%	
Max_Harm_I_PERC_3_L3	33424	float	%	
Max_Harm_I_PERC_4_L3	33426	float	%	
Max_Harm_I_PERC_5_L3	33428	float	%	
Max_Harm_I_PERC_6_L3	33430	float	%	
Max_Harm_I_PERC_7_L3	33432	float	%	
Max_Harm_I_PERC_8_L3	33434	float	%	
Max_Harm_I_PERC_9_L3	33436	float	%	
Max_Harm_I_PERC_10_L3	33438	float	%	
Max_Harm_I_PERC_11_L3	33440	float	%	
Max_Harm_I_PERC_12_L3	33442	float	%	
Max_Harm_I_PERC_13_L3	33444	float	%	
Max_Harm_I_PERC_14_L3	33446	float	%	
Max_Harm_I_PERC_15_L3	33448	float	%	
Max_Harm_I_PERC_16_L3	33450	float	%	
Max_Harm_I_PERC_17_L3	33452	float	%	
Max_Harm_I_PERC_18_L3	33454	float	%	
Max_Harm_I_PERC_19_L3	33456	float	%	
Max_Harm_I_PERC_20_L3	33458	float	%	
Max_Harm_I_PERC_21_L3	33460	float	%	
Max_Harm_I_PERC_22_L3	33462	float	%	
Max_Harm_I_PERC_23_L3	33464	float	%	
Max_Harm_I_PERC_24_L3	33466	float	%	
Max_Harm_I_PERC_25_L3	33468	float	%	
Max_Harm_I_PERC_26_L3	33470	float	%	
Max_Harm_I_PERC_27_L3	33472	float	%	
Max_Harm_I_PERC_28_L3	33474	float	%	
Max_Harm_I_PERC_29_L3	33476	float	%	
Max_Harm_I_PERC_30_L3	33478	float	%	
Max_Harm_I_PERC_31_L3	33480	float	%	
Max_Harm_I_PERC_32_L3	33482	float	%	
Max_Harm_I_PERC_33_L3	33484	float	%	
Max_Harm_I_PERC_34_L3	33486	float	%	
Max_Harm_I_PERC_35_L3	33488	float	%	
Max_Harm_I_PERC_36_L3	33490	float	%	
Max_Harm_I_PERC_37_L3	33492	float	%	
Max_Harm_I_PERC_38_L3	33494	float	%	
Max_Harm_I_PERC_39_L3	33496	float	%	
Max_Harm_I_PERC_40_L3	33498	float	%	

Max line voltage harmonics				
DESCRIPTION	ADDRESS	TYPE	UNIT	Note
Max_Harm_U_LL_PERC_1_L12	33500	float	%	
Max_Harm_U_LL_PERC_2_L12	33502	float	%	
Max_Harm_U_LL_PERC_3_L12	33504	float	%	
Max_Harm_U_LL_PERC_4_L12	33506	float	%	
Max_Harm_U_LL_PERC_5_L12	33508	float	%	
Max_Harm_U_LL_PERC_6_L12	33510	float	%	
Max_Harm_U_LL_PERC_7_L12	33512	float	%	
Max_Harm_U_LL_PERC_8_L12	33514	float	%	
Max_Harm_U_LL_PERC_9_L12	33516	float	%	
Max_Harm_U_LL_PERC_10_L12	33518	float	%	
Max_Harm_U_LL_PERC_11_L12	33520	float	%	
Max_Harm_U_LL_PERC_12_L12	33522	float	%	
Max_Harm_U_LL_PERC_13_L12	33524	float	%	
Max_Harm_U_LL_PERC_14_L12	33526	float	%	
Max_Harm_U_LL_PERC_15_L12	33528	float	%	
Max_Harm_U_LL_PERC_16_L12	33530	float	%	
Max_Harm_U_LL_PERC_17_L12	33532	float	%	
Max_Harm_U_LL_PERC_18_L12	33534	float	%	
Max_Harm_U_LL_PERC_19_L12	33536	float	%	
Max_Harm_U_LL_PERC_20_L12	33538	float	%	
Max_Harm_U_LL_PERC_21_L12	33540	float	%	
Max_Harm_U_LL_PERC_22_L12	33542	float	%	
Max_Harm_U_LL_PERC_23_L12	33544	float	%	
Max_Harm_U_LL_PERC_24_L12	33546	float	%	
Max_Harm_U_LL_PERC_25_L12	33548	float	%	
Max_Harm_U_LL_PERC_26_L12	33550	float	%	
Max_Harm_U_LL_PERC_27_L12	33552	float	%	
Max_Harm_U_LL_PERC_28_L12	33554	float	%	
Max_Harm_U_LL_PERC_29_L12	33556	float	%	
Max_Harm_U_LL_PERC_30_L12	33558	float	%	
Max_Harm_U_LL_PERC_31_L12	33560	float	%	
Max_Harm_U_LL_PERC_32_L12	33562	float	%	
Max_Harm_U_LL_PERC_33_L12	33564	float	%	
Max_Harm_U_LL_PERC_34_L12	33566	float	%	
Max_Harm_U_LL_PERC_35_L12	33568	float	%	
Max_Harm_U_LL_PERC_36_L12	33570	float	%	
Max_Harm_U_LL_PERC_37_L12	33572	float	%	
Max_Harm_U_LL_PERC_38_L12	33574	float	%	
Max_Harm_U_LL_PERC_39_L12	33576	float	%	
Max_Harm_U_LL_PERC_40_L12	33578	float	%	
Max_Harm_U_LL_PERC_1_L23	33580	float	%	
Max_Harm_U_LL_PERC_2_L23	33582	float	%	
Max_Harm_U_LL_PERC_3_L23	33584	float	%	
Max_Harm_U_LL_PERC_4_L23	33586	float	%	
Max_Harm_U_LL_PERC_5_L23	33588	float	%	
Max_Harm_U_LL_PERC_6_L23	33590	float	%	
Max_Harm_U_LL_PERC_7_L23	33592	float	%	
Max_Harm_U_LL_PERC_8_L23	33594	float	%	
Max_Harm_U_LL_PERC_9_L23	33596	float	%	
Max_Harm_U_LL_PERC_10_L23	33598	float	%	
Max_Harm_U_LL_PERC_11_L23	33600	float	%	
Max_Harm_U_LL_PERC_12_L23	33602	float	%	
Max_Harm_U_LL_PERC_13_L23	33604	float	%	
Max_Harm_U_LL_PERC_14_L23	33606	float	%	
Max_Harm_U_LL_PERC_15_L23	33608	float	%	
Max_Harm_U_LL_PERC_16_L23	33610	float	%	
Max_Harm_U_LL_PERC_17_L23	33612	float	%	
Max_Harm_U_LL_PERC_18_L23	33614	float	%	
Max_Harm_U_LL_PERC_19_L23	33616	float	%	
Max_Harm_U_LL_PERC_20_L23	33618	float	%	
Max_Harm_U_LL_PERC_21_L23	33620	float	%	
Max_Harm_U_LL_PERC_22_L23	33622	float	%	
Max_Harm_U_LL_PERC_23_L23	33624	float	%	
Max_Harm_U_LL_PERC_24_L23	33626	float	%	
Max_Harm_U_LL_PERC_25_L23	33628	float	%	
Max_Harm_U_LL_PERC_26_L23	33630	float	%	
Max_Harm_U_LL_PERC_27_L23	33632	float	%	
Max_Harm_U_LL_PERC_28_L23	33634	float	%	
Max_Harm_U_LL_PERC_29_L23	33636	float	%	
Max_Harm_U_LL_PERC_30_L23	33638	float	%	

Max line voltage harmonics				
DESCRIPTION	ADDRESS	TYPE	UNIT	Note
Max_Harm_U_LL_PERC_31_L23	33640	float	%	
Max_Harm_U_LL_PERC_32_L23	33642	float	%	
Max_Harm_U_LL_PERC_33_L23	33644	float	%	
Max_Harm_U_LL_PERC_34_L23	33646	float	%	
Max_Harm_U_LL_PERC_35_L23	33648	float	%	
Max_Harm_U_LL_PERC_36_L23	33650	float	%	
Max_Harm_U_LL_PERC_37_L23	33652	float	%	
Max_Harm_U_LL_PERC_38_L23	33654	float	%	
Max_Harm_U_LL_PERC_39_L23	33656	float	%	
Max_Harm_U_LL_PERC_40_L23	33658	float	%	
Max_Harm_U_LL_PERC_1_L31	33660	float	%	
Max_Harm_U_LL_PERC_2_L31	33662	float	%	
Max_Harm_U_LL_PERC_3_L31	33664	float	%	
Max_Harm_U_LL_PERC_4_L31	33666	float	%	
Max_Harm_U_LL_PERC_5_L31	33668	float	%	
Max_Harm_U_LL_PERC_6_L31	33670	float	%	
Max_Harm_U_LL_PERC_7_L31	33672	float	%	
Max_Harm_U_LL_PERC_8_L31	33674	float	%	
Max_Harm_U_LL_PERC_9_L31	33676	float	%	
Max_Harm_U_LL_PERC_10_L31	33678	float	%	
Max_Harm_U_LL_PERC_11_L31	33680	float	%	
Max_Harm_U_LL_PERC_12_L31	33682	float	%	
Max_Harm_U_LL_PERC_13_L31	33684	float	%	
Max_Harm_U_LL_PERC_14_L31	33686	float	%	
Max_Harm_U_LL_PERC_15_L31	33688	float	%	
Max_Harm_U_LL_PERC_16_L31	33690	float	%	
Max_Harm_U_LL_PERC_17_L31	33692	float	%	
Max_Harm_U_LL_PERC_18_L31	33694	float	%	
Max_Harm_U_LL_PERC_19_L31	33696	float	%	
Max_Harm_U_LL_PERC_20_L31	33698	float	%	
Max_Harm_U_LL_PERC_21_L31	33700	float	%	
Max_Harm_U_LL_PERC_22_L31	33702	float	%	
Max_Harm_U_LL_PERC_23_L31	33704	float	%	
Max_Harm_U_LL_PERC_24_L31	33706	float	%	
Max_Harm_U_LL_PERC_25_L31	33708	float	%	
Max_Harm_U_LL_PERC_26_L31	33710	float	%	
Max_Harm_U_LL_PERC_27_L31	33712	float	%	
Max_Harm_U_LL_PERC_28_L31	33714	float	%	
Max_Harm_U_LL_PERC_29_L31	33716	float	%	
Max_Harm_U_LL_PERC_30_L31	33718	float	%	
Max_Harm_U_LL_PERC_31_L31	33720	float	%	
Max_Harm_U_LL_PERC_32_L31	33722	float	%	
Max_Harm_U_LL_PERC_33_L31	33724	float	%	
Max_Harm_U_LL_PERC_34_L31	33726	float	%	
Max_Harm_U_LL_PERC_35_L31	33728	float	%	
Max_Harm_U_LL_PERC_36_L31	33730	float	%	
Max_Harm_U_LL_PERC_37_L31	33732	float	%	
Max_Harm_U_LL_PERC_38_L31	33734	float	%	
Max_Harm_U_LL_PERC_39_L31	33736	float	%	
Max_Harm_U_LL_PERC_40_L31	33738	float	%	

Avg phase voltage harmonics				
DESCRIPTION	ADDRESS	TYPE	UNIT	Note
Avg_Harm_U_LN_1_L1	33800	float	V	
Avg_Harm_U_LN_2_L1	33802	float	V	
Avg_Harm_U_LN_3_L1	33804	float	V	
Avg_Harm_U_LN_4_L1	33806	float	V	
Avg_Harm_U_LN_5_L1	33808	float	V	
Avg_Harm_U_LN_6_L1	33810	float	V	
Avg_Harm_U_LN_7_L1	33812	float	V	
Avg_Harm_U_LN_8_L1	33814	float	V	
Avg_Harm_U_LN_9_L1	33816	float	V	
Avg_Harm_U_LN_10_L1	33818	float	V	
Avg_Harm_U_LN_11_L1	33820	float	V	
Avg_Harm_U_LN_12_L1	33822	float	V	
Avg_Harm_U_LN_13_L1	33824	float	V	
Avg_Harm_U_LN_14_L1	33826	float	V	
Avg_Harm_U_LN_15_L1	33828	float	V	
Avg_Harm_U_LN_16_L1	33830	float	V	
Avg_Harm_U_LN_17_L1	33832	float	V	
Avg_Harm_U_LN_18_L1	33834	float	V	
Avg_Harm_U_LN_19_L1	33836	float	V	
Avg_Harm_U_LN_20_L1	33838	float	V	
Avg_Harm_U_LN_21_L1	33840	float	V	
Avg_Harm_U_LN_22_L1	33842	float	V	
Avg_Harm_U_LN_23_L1	33844	float	V	
Avg_Harm_U_LN_24_L1	33846	float	V	
Avg_Harm_U_LN_25_L1	33848	float	V	
Avg_Harm_U_LN_26_L1	33850	float	V	
Avg_Harm_U_LN_27_L1	33852	float	V	
Avg_Harm_U_LN_28_L1	33854	float	V	
Avg_Harm_U_LN_29_L1	33856	float	V	
Avg_Harm_U_LN_30_L1	33858	float	V	
Avg_Harm_U_LN_31_L1	33860	float	V	
Avg_Harm_U_LN_32_L1	33862	float	V	
Avg_Harm_U_LN_33_L1	33864	float	V	
Avg_Harm_U_LN_34_L1	33866	float	V	
Avg_Harm_U_LN_35_L1	33868	float	V	
Avg_Harm_U_LN_36_L1	33870	float	V	
Avg_Harm_U_LN_37_L1	33872	float	V	
Avg_Harm_U_LN_38_L1	33874	float	V	
Avg_Harm_U_LN_39_L1	33876	float	V	
Avg_Harm_U_LN_40_L1	33878	float	V	
Avg_Harm_U_LN_1_L2	33880	float	V	
Avg_Harm_U_LN_2_L2	33882	float	V	
Avg_Harm_U_LN_3_L2	33884	float	V	
Avg_Harm_U_LN_4_L2	33886	float	V	
Avg_Harm_U_LN_5_L2	33888	float	V	
Avg_Harm_U_LN_6_L2	33890	float	V	
Avg_Harm_U_LN_7_L2	33892	float	V	
Avg_Harm_U_LN_8_L2	33894	float	V	
Avg_Harm_U_LN_9_L2	33896	float	V	
Avg_Harm_U_LN_10_L2	33898	float	V	
Avg_Harm_U_LN_11_L2	33900	float	V	
Avg_Harm_U_LN_12_L2	33902	float	V	
Avg_Harm_U_LN_13_L2	33904	float	V	
Avg_Harm_U_LN_14_L2	33906	float	V	
Avg_Harm_U_LN_15_L2	33908	float	V	
Avg_Harm_U_LN_16_L2	33910	float	V	
Avg_Harm_U_LN_17_L2	33912	float	V	
Avg_Harm_U_LN_18_L2	33914	float	V	
Avg_Harm_U_LN_19_L2	33916	float	V	
Avg_Harm_U_LN_20_L2	33918	float	V	
Avg_Harm_U_LN_21_L2	33920	float	V	
Avg_Harm_U_LN_22_L2	33922	float	V	
Avg_Harm_U_LN_23_L2	33924	float	V	
Avg_Harm_U_LN_24_L2	33926	float	V	
Avg_Harm_U_LN_25_L2	33928	float	V	
Avg_Harm_U_LN_26_L2	33930	float	V	
Avg_Harm_U_LN_27_L2	33932	float	V	
Avg_Harm_U_LN_28_L2	33934	float	V	
Avg_Harm_U_LN_29_L2	33936	float	V	
Avg_Harm_U_LN_30_L2	33938	float	V	

Avg phase voltage harmonics				
DESCRIPTION	ADDRESS	TYPE	UNIT	Note
Avg_Harm_U_LN_31_L2	33940	float	V	
Avg_Harm_U_LN_32_L2	33942	float	V	
Avg_Harm_U_LN_33_L2	33944	float	V	
Avg_Harm_U_LN_34_L2	33946	float	V	
Avg_Harm_U_LN_35_L2	33948	float	V	
Avg_Harm_U_LN_36_L2	33950	float	V	
Avg_Harm_U_LN_37_L2	33952	float	V	
Avg_Harm_U_LN_38_L2	33954	float	V	
Avg_Harm_U_LN_39_L2	33956	float	V	
Avg_Harm_U_LN_40_L2	33958	float	V	
Avg_Harm_U_LN_1_L3	33960	float	V	
Avg_Harm_U_LN_2_L3	33962	float	V	
Avg_Harm_U_LN_3_L3	33964	float	V	
Avg_Harm_U_LN_4_L3	33966	float	V	
Avg_Harm_U_LN_5_L3	33968	float	V	
Avg_Harm_U_LN_6_L3	33970	float	V	
Avg_Harm_U_LN_7_L3	33972	float	V	
Avg_Harm_U_LN_8_L3	33974	float	V	
Avg_Harm_U_LN_9_L3	33976	float	V	
Avg_Harm_U_LN_10_L3	33978	float	V	
Avg_Harm_U_LN_11_L3	33980	float	V	
Avg_Harm_U_LN_12_L3	33982	float	V	
Avg_Harm_U_LN_13_L3	33984	float	V	
Avg_Harm_U_LN_14_L3	33986	float	V	
Avg_Harm_U_LN_15_L3	33988	float	V	
Avg_Harm_U_LN_16_L3	33990	float	V	
Avg_Harm_U_LN_17_L3	33992	float	V	
Avg_Harm_U_LN_18_L3	33994	float	V	
Avg_Harm_U_LN_19_L3	33996	float	V	
Avg_Harm_U_LN_20_L3	33998	float	V	
Avg_Harm_U_LN_21_L3	34000	float	V	
Avg_Harm_U_LN_22_L3	34002	float	V	
Avg_Harm_U_LN_23_L3	34004	float	V	
Avg_Harm_U_LN_24_L3	34006	float	V	
Avg_Harm_U_LN_25_L3	34008	float	V	
Avg_Harm_U_LN_26_L3	34010	float	V	
Avg_Harm_U_LN_27_L3	34012	float	V	
Avg_Harm_U_LN_28_L3	34014	float	V	
Avg_Harm_U_LN_29_L3	34016	float	V	
Avg_Harm_U_LN_30_L3	34018	float	V	
Avg_Harm_U_LN_31_L3	34020	float	V	
Avg_Harm_U_LN_32_L3	34022	float	V	
Avg_Harm_U_LN_33_L3	34024	float	V	
Avg_Harm_U_LN_34_L3	34026	float	V	
Avg_Harm_U_LN_35_L3	34028	float	V	
Avg_Harm_U_LN_36_L3	34030	float	V	
Avg_Harm_U_LN_37_L3	34032	float	V	
Avg_Harm_U_LN_38_L3	34034	float	V	
Avg_Harm_U_LN_39_L3	34036	float	V	
Avg_Harm_U_LN_40_L3	34038	float	V	

Avg current harmonics				
DESCRIPTION	ADDRESS	TYPE	UNIT	Note
Avg_Harm_I_1_L1	34040	float	A	
Avg_Harm_I_2_L1	34042	float	A	
Avg_Harm_I_3_L1	34044	float	A	
Avg_Harm_I_4_L1	34046	float	A	
Avg_Harm_I_5_L1	34048	float	A	
Avg_Harm_I_6_L1	34050	float	A	
Avg_Harm_I_7_L1	34052	float	A	
Avg_Harm_I_8_L1	34054	float	A	
Avg_Harm_I_9_L1	34056	float	A	
Avg_Harm_I_10_L1	34058	float	A	
Avg_Harm_I_11_L1	34060	float	A	
Avg_Harm_I_12_L1	34062	float	A	
Avg_Harm_I_13_L1	34064	float	A	
Avg_Harm_I_14_L1	34066	float	A	
Avg_Harm_I_15_L1	34068	float	A	
Avg_Harm_I_16_L1	34070	float	A	
Avg_Harm_I_17_L1	34072	float	A	
Avg_Harm_I_18_L1	34074	float	A	
Avg_Harm_I_19_L1	34076	float	A	
Avg_Harm_I_20_L1	34078	float	A	
Avg_Harm_I_21_L1	34080	float	A	
Avg_Harm_I_22_L1	34082	float	A	
Avg_Harm_I_23_L1	34084	float	A	
Avg_Harm_I_24_L1	34086	float	A	
Avg_Harm_I_25_L1	34088	float	A	
Avg_Harm_I_26_L1	34090	float	A	
Avg_Harm_I_27_L1	34092	float	A	
Avg_Harm_I_28_L1	34094	float	A	
Avg_Harm_I_29_L1	34096	float	A	
Avg_Harm_I_30_L1	34098	float	A	
Avg_Harm_I_31_L1	34100	float	A	
Avg_Harm_I_32_L1	34102	float	A	
Avg_Harm_I_33_L1	34104	float	A	
Avg_Harm_I_34_L1	34106	float	A	
Avg_Harm_I_35_L1	34108	float	A	
Avg_Harm_I_36_L1	34110	float	A	
Avg_Harm_I_37_L1	34112	float	A	
Avg_Harm_I_38_L1	34114	float	A	
Avg_Harm_I_39_L1	34116	float	A	
Avg_Harm_I_40_L1	34118	float	A	
Avg_Harm_I_1_L2	34120	float	A	
Avg_Harm_I_2_L2	34122	float	A	
Avg_Harm_I_3_L2	34124	float	A	
Avg_Harm_I_4_L2	34126	float	A	
Avg_Harm_I_5_L2	34128	float	A	
Avg_Harm_I_6_L2	34130	float	A	
Avg_Harm_I_7_L2	34132	float	A	
Avg_Harm_I_8_L2	34134	float	A	
Avg_Harm_I_9_L2	34136	float	A	
Avg_Harm_I_10_L2	34138	float	A	
Avg_Harm_I_11_L2	34140	float	A	
Avg_Harm_I_12_L2	34142	float	A	
Avg_Harm_I_13_L2	34144	float	A	
Avg_Harm_I_14_L2	34146	float	A	
Avg_Harm_I_15_L2	34148	float	A	
Avg_Harm_I_16_L2	34150	float	A	
Avg_Harm_I_17_L2	34152	float	A	
Avg_Harm_I_18_L2	34154	float	A	
Avg_Harm_I_19_L2	34156	float	A	
Avg_Harm_I_20_L2	34158	float	A	
Avg_Harm_I_21_L2	34160	float	A	
Avg_Harm_I_22_L2	34162	float	A	
Avg_Harm_I_23_L2	34164	float	A	
Avg_Harm_I_24_L2	34166	float	A	
Avg_Harm_I_25_L2	34168	float	A	
Avg_Harm_I_26_L2	34170	float	A	
Avg_Harm_I_27_L2	34172	float	A	
Avg_Harm_I_28_L2	34174	float	A	
Avg_Harm_I_29_L2	34176	float	A	
Avg_Harm_I_30_L2	34178	float	A	

Avg current harmonics				
DESCRIPTION	ADDRESS	TYPE	UNIT	Note
Avg_Harm_I_31_L2	34180	float	A	
Avg_Harm_I_32_L2	34182	float	A	
Avg_Harm_I_33_L2	34184	float	A	
Avg_Harm_I_34_L2	34186	float	A	
Avg_Harm_I_35_L2	34188	float	A	
Avg_Harm_I_36_L2	34190	float	A	
Avg_Harm_I_37_L2	34192	float	A	
Avg_Harm_I_38_L2	34194	float	A	
Avg_Harm_I_39_L2	34196	float	A	
Avg_Harm_I_40_L2	34198	float	A	
Avg_Harm_I_1_L3	34200	float	A	
Avg_Harm_I_2_L3	34202	float	A	
Avg_Harm_I_3_L3	34204	float	A	
Avg_Harm_I_4_L3	34206	float	A	
Avg_Harm_I_5_L3	34208	float	A	
Avg_Harm_I_6_L3	34210	float	A	
Avg_Harm_I_7_L3	34212	float	A	
Avg_Harm_I_8_L3	34214	float	A	
Avg_Harm_I_9_L3	34216	float	A	
Avg_Harm_I_10_L3	34218	float	A	
Avg_Harm_I_11_L3	34220	float	A	
Avg_Harm_I_12_L3	34222	float	A	
Avg_Harm_I_13_L3	34224	float	A	
Avg_Harm_I_14_L3	34226	float	A	
Avg_Harm_I_15_L3	34228	float	A	
Avg_Harm_I_16_L3	34230	float	A	
Avg_Harm_I_17_L3	34232	float	A	
Avg_Harm_I_18_L3	34234	float	A	
Avg_Harm_I_19_L3	34236	float	A	
Avg_Harm_I_20_L3	34238	float	A	
Avg_Harm_I_21_L3	34240	float	A	
Avg_Harm_I_22_L3	34242	float	A	
Avg_Harm_I_23_L3	34244	float	A	
Avg_Harm_I_24_L3	34246	float	A	
Avg_Harm_I_25_L3	34248	float	A	
Avg_Harm_I_26_L3	34250	float	A	
Avg_Harm_I_27_L3	34252	float	A	
Avg_Harm_I_28_L3	34254	float	A	
Avg_Harm_I_29_L3	34256	float	A	
Avg_Harm_I_30_L3	34258	float	A	
Avg_Harm_I_31_L3	34260	float	A	
Avg_Harm_I_32_L3	34262	float	A	
Avg_Harm_I_33_L3	34264	float	A	
Avg_Harm_I_34_L3	34266	float	A	
Avg_Harm_I_35_L3	34268	float	A	
Avg_Harm_I_36_L3	34270	float	A	
Avg_Harm_I_37_L3	34272	float	A	
Avg_Harm_I_38_L3	34274	float	A	
Avg_Harm_I_39_L3	34276	float	A	
Avg_Harm_I_40_L3	34278	float	A	

Avg line voltage harmonics				
DESCRIPTION	ADDRESS	TYPE	UNIT	Note
Avg_Harm_U_LL_1_L12	34280	float	V	
Avg_Harm_U_LL_2_L12	34282	float	V	
Avg_Harm_U_LL_3_L12	34284	float	V	
Avg_Harm_U_LL_4_L12	34286	float	V	
Avg_Harm_U_LL_5_L12	34288	float	V	
Avg_Harm_U_LL_6_L12	34290	float	V	
Avg_Harm_U_LL_7_L12	34292	float	V	
Avg_Harm_U_LL_8_L12	34294	float	V	
Avg_Harm_U_LL_9_L12	34296	float	V	
Avg_Harm_U_LL_10_L12	34298	float	V	
Avg_Harm_U_LL_11_L12	34300	float	V	
Avg_Harm_U_LL_12_L12	34302	float	V	
Avg_Harm_U_LL_13_L12	34304	float	V	
Avg_Harm_U_LL_14_L12	34306	float	V	
Avg_Harm_U_LL_15_L12	34308	float	V	
Avg_Harm_U_LL_16_L12	34310	float	V	
Avg_Harm_U_LL_17_L12	34312	float	V	
Avg_Harm_U_LL_18_L12	34314	float	V	
Avg_Harm_U_LL_19_L12	34316	float	V	
Avg_Harm_U_LL_20_L12	34318	float	V	
Avg_Harm_U_LL_21_L12	34320	float	V	
Avg_Harm_U_LL_22_L12	34322	float	V	
Avg_Harm_U_LL_23_L12	34324	float	V	
Avg_Harm_U_LL_24_L12	34326	float	V	
Avg_Harm_U_LL_25_L12	34328	float	V	
Avg_Harm_U_LL_26_L12	34330	float	V	
Avg_Harm_U_LL_27_L12	34332	float	V	
Avg_Harm_U_LL_28_L12	34334	float	V	
Avg_Harm_U_LL_29_L12	34336	float	V	
Avg_Harm_U_LL_30_L12	34338	float	V	
Avg_Harm_U_LL_31_L12	34340	float	V	
Avg_Harm_U_LL_32_L12	34342	float	V	
Avg_Harm_U_LL_33_L12	34344	float	V	
Avg_Harm_U_LL_34_L12	34346	float	V	
Avg_Harm_U_LL_35_L12	34348	float	V	
Avg_Harm_U_LL_36_L12	34350	float	V	
Avg_Harm_U_LL_37_L12	34352	float	V	
Avg_Harm_U_LL_38_L12	34354	float	V	
Avg_Harm_U_LL_39_L12	34356	float	V	
Avg_Harm_U_LL_40_L12	34358	float	V	
Avg_Harm_U_LL_1_L23	34360	float	V	
Avg_Harm_U_LL_2_L23	34362	float	V	
Avg_Harm_U_LL_3_L23	34364	float	V	
Avg_Harm_U_LL_4_L23	34366	float	V	
Avg_Harm_U_LL_5_L23	34368	float	V	
Avg_Harm_U_LL_6_L23	34370	float	V	
Avg_Harm_U_LL_7_L23	34372	float	V	
Avg_Harm_U_LL_8_L23	34374	float	V	
Avg_Harm_U_LL_9_L23	34376	float	V	
Avg_Harm_U_LL_10_L23	34378	float	V	
Avg_Harm_U_LL_11_L23	34380	float	V	
Avg_Harm_U_LL_12_L23	34382	float	V	
Avg_Harm_U_LL_13_L23	34384	float	V	
Avg_Harm_U_LL_14_L23	34386	float	V	
Avg_Harm_U_LL_15_L23	34388	float	V	
Avg_Harm_U_LL_16_L23	34390	float	V	
Avg_Harm_U_LL_17_L23	34392	float	V	
Avg_Harm_U_LL_18_L23	34394	float	V	
Avg_Harm_U_LL_19_L23	34396	float	V	
Avg_Harm_U_LL_20_L23	34398	float	V	
Avg_Harm_U_LL_21_L23	34400	float	V	
Avg_Harm_U_LL_22_L23	34402	float	V	
Avg_Harm_U_LL_23_L23	34404	float	V	
Avg_Harm_U_LL_24_L23	34406	float	V	
Avg_Harm_U_LL_25_L23	34408	float	V	
Avg_Harm_U_LL_26_L23	34410	float	V	
Avg_Harm_U_LL_27_L23	34412	float	V	
Avg_Harm_U_LL_28_L23	34414	float	V	
Avg_Harm_U_LL_29_L23	34416	float	V	
Avg_Harm_U_LL_30_L23	34418	float	V	

Avg line voltage harmonics				
DESCRIPTION	ADDRESS	TYPE	UNIT	Note
Avg_Harm_U_LL_31_L23	34420	float	V	
Avg_Harm_U_LL_32_L23	34422	float	V	
Avg_Harm_U_LL_33_L23	34424	float	V	
Avg_Harm_U_LL_34_L23	34426	float	V	
Avg_Harm_U_LL_35_L23	34428	float	V	
Avg_Harm_U_LL_36_L23	34430	float	V	
Avg_Harm_U_LL_37_L23	34432	float	V	
Avg_Harm_U_LL_38_L23	34434	float	V	
Avg_Harm_U_LL_39_L23	34436	float	V	
Avg_Harm_U_LL_40_L23	34438	float	V	
Avg_Harm_U_LL_1_L31	34440	float	V	
Avg_Harm_U_LL_2_L31	34442	float	V	
Avg_Harm_U_LL_3_L31	34444	float	V	
Avg_Harm_U_LL_4_L31	34446	float	V	
Avg_Harm_U_LL_5_L31	34448	float	V	
Avg_Harm_U_LL_6_L31	34450	float	V	
Avg_Harm_U_LL_7_L31	34452	float	V	
Avg_Harm_U_LL_8_L31	34454	float	V	
Avg_Harm_U_LL_9_L31	34456	float	V	
Avg_Harm_U_LL_10_L31	34458	float	V	
Avg_Harm_U_LL_11_L31	34460	float	V	
Avg_Harm_U_LL_12_L31	34462	float	V	
Avg_Harm_U_LL_13_L31	34464	float	V	
Avg_Harm_U_LL_14_L31	34466	float	V	
Avg_Harm_U_LL_15_L31	34468	float	V	
Avg_Harm_U_LL_16_L31	34470	float	V	
Avg_Harm_U_LL_17_L31	34472	float	V	
Avg_Harm_U_LL_18_L31	34474	float	V	
Avg_Harm_U_LL_19_L31	34476	float	V	
Avg_Harm_U_LL_20_L31	34478	float	V	
Avg_Harm_U_LL_21_L31	34480	float	V	
Avg_Harm_U_LL_22_L31	34482	float	V	
Avg_Harm_U_LL_23_L31	34484	float	V	
Avg_Harm_U_LL_24_L31	34486	float	V	
Avg_Harm_U_LL_25_L31	34488	float	V	
Avg_Harm_U_LL_26_L31	34490	float	V	
Avg_Harm_U_LL_27_L31	34492	float	V	
Avg_Harm_U_LL_28_L31	34494	float	V	
Avg_Harm_U_LL_29_L31	34496	float	V	
Avg_Harm_U_LL_30_L31	34498	float	V	
Avg_Harm_U_LL_31_L31	34500	float	V	
Avg_Harm_U_LL_32_L31	34502	float	V	
Avg_Harm_U_LL_33_L31	34504	float	V	
Avg_Harm_U_LL_34_L31	34506	float	V	
Avg_Harm_U_LL_35_L31	34508	float	V	
Avg_Harm_U_LL_36_L31	34510	float	V	
Avg_Harm_U_LL_37_L31	34512	float	V	
Avg_Harm_U_LL_38_L31	34514	float	V	
Avg_Harm_U_LL_39_L31	34516	float	V	
Avg_Harm_U_LL_40_L31	34518	float	V	

Avg phase voltage harmonics				
DESCRIPTION	ADDRESS	TYPE	UNIT	Note
Avg_Harm_U_LN_PERC_1_L1	34520	float	%	
Avg_Harm_U_LN_PERC_2_L1	34522	float	%	
Avg_Harm_U_LN_PERC_3_L1	34524	float	%	
Avg_Harm_U_LN_PERC_4_L1	34526	float	%	
Avg_Harm_U_LN_PERC_5_L1	34528	float	%	
Avg_Harm_U_LN_PERC_6_L1	34530	float	%	
Avg_Harm_U_LN_PERC_7_L1	34532	float	%	
Avg_Harm_U_LN_PERC_8_L1	34534	float	%	
Avg_Harm_U_LN_PERC_9_L1	34536	float	%	
Avg_Harm_U_LN_PERC_10_L1	34538	float	%	
Avg_Harm_U_LN_PERC_11_L1	34540	float	%	
Avg_Harm_U_LN_PERC_12_L1	34542	float	%	
Avg_Harm_U_LN_PERC_13_L1	34544	float	%	
Avg_Harm_U_LN_PERC_14_L1	34546	float	%	
Avg_Harm_U_LN_PERC_15_L1	34548	float	%	
Avg_Harm_U_LN_PERC_16_L1	34550	float	%	
Avg_Harm_U_LN_PERC_17_L1	34552	float	%	
Avg_Harm_U_LN_PERC_18_L1	34554	float	%	
Avg_Harm_U_LN_PERC_19_L1	34556	float	%	
Avg_Harm_U_LN_PERC_20_L1	34558	float	%	
Avg_Harm_U_LN_PERC_21_L1	34560	float	%	
Avg_Harm_U_LN_PERC_22_L1	34562	float	%	
Avg_Harm_U_LN_PERC_23_L1	34564	float	%	
Avg_Harm_U_LN_PERC_24_L1	34566	float	%	
Avg_Harm_U_LN_PERC_25_L1	34568	float	%	
Avg_Harm_U_LN_PERC_26_L1	34570	float	%	
Avg_Harm_U_LN_PERC_27_L1	34572	float	%	
Avg_Harm_U_LN_PERC_28_L1	34574	float	%	
Avg_Harm_U_LN_PERC_29_L1	34576	float	%	
Avg_Harm_U_LN_PERC_30_L1	34578	float	%	
Avg_Harm_U_LN_PERC_31_L1	34580	float	%	
Avg_Harm_U_LN_PERC_32_L1	34582	float	%	
Avg_Harm_U_LN_PERC_33_L1	34584	float	%	
Avg_Harm_U_LN_PERC_34_L1	34586	float	%	
Avg_Harm_U_LN_PERC_35_L1	34588	float	%	
Avg_Harm_U_LN_PERC_36_L1	34590	float	%	
Avg_Harm_U_LN_PERC_37_L1	34592	float	%	
Avg_Harm_U_LN_PERC_38_L1	34594	float	%	
Avg_Harm_U_LN_PERC_39_L1	34596	float	%	
Avg_Harm_U_LN_PERC_40_L1	34598	float	%	
Avg_Harm_U_LN_PERC_1_L2	34600	float	%	
Avg_Harm_U_LN_PERC_2_L2	34602	float	%	
Avg_Harm_U_LN_PERC_3_L2	34604	float	%	
Avg_Harm_U_LN_PERC_4_L2	34606	float	%	
Avg_Harm_U_LN_PERC_5_L2	34608	float	%	
Avg_Harm_U_LN_PERC_6_L2	34610	float	%	
Avg_Harm_U_LN_PERC_7_L2	34612	float	%	
Avg_Harm_U_LN_PERC_8_L2	34614	float	%	
Avg_Harm_U_LN_PERC_9_L2	34616	float	%	
Avg_Harm_U_LN_PERC_10_L2	34618	float	%	
Avg_Harm_U_LN_PERC_11_L2	34620	float	%	
Avg_Harm_U_LN_PERC_12_L2	34622	float	%	
Avg_Harm_U_LN_PERC_13_L2	34624	float	%	
Avg_Harm_U_LN_PERC_14_L2	34626	float	%	
Avg_Harm_U_LN_PERC_15_L2	34628	float	%	
Avg_Harm_U_LN_PERC_16_L2	34630	float	%	
Avg_Harm_U_LN_PERC_17_L2	34632	float	%	
Avg_Harm_U_LN_PERC_18_L2	34634	float	%	
Avg_Harm_U_LN_PERC_19_L2	34636	float	%	
Avg_Harm_U_LN_PERC_20_L2	34638	float	%	
Avg_Harm_U_LN_PERC_21_L2	34640	float	%	
Avg_Harm_U_LN_PERC_22_L2	34642	float	%	
Avg_Harm_U_LN_PERC_23_L2	34644	float	%	
Avg_Harm_U_LN_PERC_24_L2	34646	float	%	
Avg_Harm_U_LN_PERC_25_L2	34648	float	%	
Avg_Harm_U_LN_PERC_26_L2	34650	float	%	
Avg_Harm_U_LN_PERC_27_L2	34652	float	%	
Avg_Harm_U_LN_PERC_28_L2	34654	float	%	
Avg_Harm_U_LN_PERC_29_L2	34656	float	%	
Avg_Harm_U_LN_PERC_30_L2	34658	float	%	

Avg phase voltage harmonics				
DESCRIPTION	ADDRESS	TYPE	UNIT	Note
Avg_Harm_U_LN_PERC_31_L2	34660	float	%	
Avg_Harm_U_LN_PERC_32_L2	34662	float	%	
Avg_Harm_U_LN_PERC_33_L2	34664	float	%	
Avg_Harm_U_LN_PERC_34_L2	34666	float	%	
Avg_Harm_U_LN_PERC_35_L2	34668	float	%	
Avg_Harm_U_LN_PERC_36_L2	34670	float	%	
Avg_Harm_U_LN_PERC_37_L2	34672	float	%	
Avg_Harm_U_LN_PERC_38_L2	34674	float	%	
Avg_Harm_U_LN_PERC_39_L2	34676	float	%	
Avg_Harm_U_LN_PERC_40_L2	34678	float	%	
Avg_Harm_U_LN_PERC_1_L3	34680	float	%	
Avg_Harm_U_LN_PERC_2_L3	34682	float	%	
Avg_Harm_U_LN_PERC_3_L3	34684	float	%	
Avg_Harm_U_LN_PERC_4_L3	34686	float	%	
Avg_Harm_U_LN_PERC_5_L3	34688	float	%	
Avg_Harm_U_LN_PERC_6_L3	34690	float	%	
Avg_Harm_U_LN_PERC_7_L3	34692	float	%	
Avg_Harm_U_LN_PERC_8_L3	34694	float	%	
Avg_Harm_U_LN_PERC_9_L3	34696	float	%	
Avg_Harm_U_LN_PERC_10_L3	34698	float	%	
Avg_Harm_U_LN_PERC_11_L3	34700	float	%	
Avg_Harm_U_LN_PERC_12_L3	34702	float	%	
Avg_Harm_U_LN_PERC_13_L3	34704	float	%	
Avg_Harm_U_LN_PERC_14_L3	34706	float	%	
Avg_Harm_U_LN_PERC_15_L3	34708	float	%	
Avg_Harm_U_LN_PERC_16_L3	34710	float	%	
Avg_Harm_U_LN_PERC_17_L3	34712	float	%	
Avg_Harm_U_LN_PERC_18_L3	34714	float	%	
Avg_Harm_U_LN_PERC_19_L3	34716	float	%	
Avg_Harm_U_LN_PERC_20_L3	34718	float	%	
Avg_Harm_U_LN_PERC_21_L3	34720	float	%	
Avg_Harm_U_LN_PERC_22_L3	34722	float	%	
Avg_Harm_U_LN_PERC_23_L3	34724	float	%	
Avg_Harm_U_LN_PERC_24_L3	34726	float	%	
Avg_Harm_U_LN_PERC_25_L3	34728	float	%	
Avg_Harm_U_LN_PERC_26_L3	34730	float	%	
Avg_Harm_U_LN_PERC_27_L3	34732	float	%	
Avg_Harm_U_LN_PERC_28_L3	34734	float	%	
Avg_Harm_U_LN_PERC_29_L3	34736	float	%	
Avg_Harm_U_LN_PERC_30_L3	34738	float	%	
Avg_Harm_U_LN_PERC_31_L3	34740	float	%	
Avg_Harm_U_LN_PERC_32_L3	34742	float	%	
Avg_Harm_U_LN_PERC_33_L3	34744	float	%	
Avg_Harm_U_LN_PERC_34_L3	34746	float	%	
Avg_Harm_U_LN_PERC_35_L3	34748	float	%	
Avg_Harm_U_LN_PERC_36_L3	34750	float	%	
Avg_Harm_U_LN_PERC_37_L3	34752	float	%	
Avg_Harm_U_LN_PERC_38_L3	34754	float	%	
Avg_Harm_U_LN_PERC_39_L3	34756	float	%	
Avg_Harm_U_LN_PERC_40_L3	34758	float	%	

Avg current harmonics				
DESCRIPTION	ADDRESS	TYPE	UNIT	Note
Avg_Harm_I_PERC_1_L1	34760	float	%	
Avg_Harm_I_PERC_2_L1	34762	float	%	
Avg_Harm_I_PERC_3_L1	34764	float	%	
Avg_Harm_I_PERC_4_L1	34766	float	%	
Avg_Harm_I_PERC_5_L1	34768	float	%	
Avg_Harm_I_PERC_6_L1	34770	float	%	
Avg_Harm_I_PERC_7_L1	34772	float	%	
Avg_Harm_I_PERC_8_L1	34774	float	%	
Avg_Harm_I_PERC_9_L1	34776	float	%	
Avg_Harm_I_PERC_10_L1	34778	float	%	
Avg_Harm_I_PERC_11_L1	34780	float	%	
Avg_Harm_I_PERC_12_L1	34782	float	%	
Avg_Harm_I_PERC_13_L1	34784	float	%	
Avg_Harm_I_PERC_14_L1	34786	float	%	
Avg_Harm_I_PERC_15_L1	34788	float	%	
Avg_Harm_I_PERC_16_L1	34790	float	%	
Avg_Harm_I_PERC_17_L1	34792	float	%	
Avg_Harm_I_PERC_18_L1	34794	float	%	
Avg_Harm_I_PERC_19_L1	34796	float	%	
Avg_Harm_I_PERC_20_L1	34798	float	%	
Avg_Harm_I_PERC_21_L1	34800	float	%	
Avg_Harm_I_PERC_22_L1	34802	float	%	
Avg_Harm_I_PERC_23_L1	34804	float	%	
Avg_Harm_I_PERC_24_L1	34806	float	%	
Avg_Harm_I_PERC_25_L1	34808	float	%	
Avg_Harm_I_PERC_26_L1	34810	float	%	
Avg_Harm_I_PERC_27_L1	34812	float	%	
Avg_Harm_I_PERC_28_L1	34814	float	%	
Avg_Harm_I_PERC_29_L1	34816	float	%	
Avg_Harm_I_PERC_30_L1	34818	float	%	
Avg_Harm_I_PERC_31_L1	34820	float	%	
Avg_Harm_I_PERC_32_L1	34822	float	%	
Avg_Harm_I_PERC_33_L1	34824	float	%	
Avg_Harm_I_PERC_34_L1	34826	float	%	
Avg_Harm_I_PERC_35_L1	34828	float	%	
Avg_Harm_I_PERC_36_L1	34830	float	%	
Avg_Harm_I_PERC_37_L1	34832	float	%	
Avg_Harm_I_PERC_38_L1	34834	float	%	
Avg_Harm_I_PERC_39_L1	34836	float	%	
Avg_Harm_I_PERC_40_L1	34838	float	%	
Avg_Harm_I_PERC_1_L2	34840	float	%	
Avg_Harm_I_PERC_2_L2	34842	float	%	
Avg_Harm_I_PERC_3_L2	34844	float	%	
Avg_Harm_I_PERC_4_L2	34846	float	%	
Avg_Harm_I_PERC_5_L2	34848	float	%	
Avg_Harm_I_PERC_6_L2	34850	float	%	
Avg_Harm_I_PERC_7_L2	34852	float	%	
Avg_Harm_I_PERC_8_L2	34854	float	%	
Avg_Harm_I_PERC_9_L2	34856	float	%	
Avg_Harm_I_PERC_10_L2	34858	float	%	
Avg_Harm_I_PERC_11_L2	34860	float	%	
Avg_Harm_I_PERC_12_L2	34862	float	%	
Avg_Harm_I_PERC_13_L2	34864	float	%	
Avg_Harm_I_PERC_14_L2	34866	float	%	
Avg_Harm_I_PERC_15_L2	34868	float	%	
Avg_Harm_I_PERC_16_L2	34870	float	%	
Avg_Harm_I_PERC_17_L2	34872	float	%	
Avg_Harm_I_PERC_18_L2	34874	float	%	
Avg_Harm_I_PERC_19_L2	34876	float	%	
Avg_Harm_I_PERC_20_L2	34878	float	%	
Avg_Harm_I_PERC_21_L2	34880	float	%	
Avg_Harm_I_PERC_22_L2	34882	float	%	
Avg_Harm_I_PERC_23_L2	34884	float	%	
Avg_Harm_I_PERC_24_L2	34886	float	%	
Avg_Harm_I_PERC_25_L2	34888	float	%	
Avg_Harm_I_PERC_26_L2	34890	float	%	
Avg_Harm_I_PERC_27_L2	34892	float	%	
Avg_Harm_I_PERC_28_L2	34894	float	%	
Avg_Harm_I_PERC_29_L2	34896	float	%	
Avg_Harm_I_PERC_30_L2	34898	float	%	

Avg current voltage harmonics				
DESCRIPTION	ADDRESS	TYPE	UNIT	Note
Avg_Harm_I_PERC_31_L2	34900	float	%	
Avg_Harm_I_PERC_32_L2	34902	float	%	
Avg_Harm_I_PERC_33_L2	34904	float	%	
Avg_Harm_I_PERC_34_L2	34906	float	%	
Avg_Harm_I_PERC_35_L2	34908	float	%	
Avg_Harm_I_PERC_36_L2	34910	float	%	
Avg_Harm_I_PERC_37_L2	34912	float	%	
Avg_Harm_I_PERC_38_L2	34914	float	%	
Avg_Harm_I_PERC_39_L2	34916	float	%	
Avg_Harm_I_PERC_40_L2	34918	float	%	
Avg_Harm_I_PERC_1_L3	34920	float	%	
Avg_Harm_I_PERC_2_L3	34922	float	%	
Avg_Harm_I_PERC_3_L3	34924	float	%	
Avg_Harm_I_PERC_4_L3	34926	float	%	
Avg_Harm_I_PERC_5_L3	34928	float	%	
Avg_Harm_I_PERC_6_L3	34930	float	%	
Avg_Harm_I_PERC_7_L3	34932	float	%	
Avg_Harm_I_PERC_8_L3	34934	float	%	
Avg_Harm_I_PERC_9_L3	34936	float	%	
Avg_Harm_I_PERC_10_L3	34938	float	%	
Avg_Harm_I_PERC_11_L3	34940	float	%	
Avg_Harm_I_PERC_12_L3	34942	float	%	
Avg_Harm_I_PERC_13_L3	34944	float	%	
Avg_Harm_I_PERC_14_L3	34946	float	%	
Avg_Harm_I_PERC_15_L3	34948	float	%	
Avg_Harm_I_PERC_16_L3	34950	float	%	
Avg_Harm_I_PERC_17_L3	34952	float	%	
Avg_Harm_I_PERC_18_L3	34954	float	%	
Avg_Harm_I_PERC_19_L3	34956	float	%	
Avg_Harm_I_PERC_20_L3	34958	float	%	
Avg_Harm_I_PERC_21_L3	34960	float	%	
Avg_Harm_I_PERC_22_L3	34962	float	%	
Avg_Harm_I_PERC_23_L3	34964	float	%	
Avg_Harm_I_PERC_24_L3	34966	float	%	
Avg_Harm_I_PERC_25_L3	34968	float	%	
Avg_Harm_I_PERC_26_L3	34970	float	%	
Avg_Harm_I_PERC_27_L3	34972	float	%	
Avg_Harm_I_PERC_28_L3	34974	float	%	
Avg_Harm_I_PERC_29_L3	34976	float	%	
Avg_Harm_I_PERC_30_L3	34978	float	%	
Avg_Harm_I_PERC_31_L3	34980	float	%	
Avg_Harm_I_PERC_32_L3	34982	float	%	
Avg_Harm_I_PERC_33_L3	34984	float	%	
Avg_Harm_I_PERC_34_L3	34986	float	%	
Avg_Harm_I_PERC_35_L3	34988	float	%	
Avg_Harm_I_PERC_36_L3	34990	float	%	
Avg_Harm_I_PERC_37_L3	34992	float	%	
Avg_Harm_I_PERC_38_L3	34994	float	%	
Avg_Harm_I_PERC_39_L3	34996	float	%	
Avg_Harm_I_PERC_40_L3	34998	float	%	

Avg line voltage harmonics				
DESCRIPTION	ADDRESS	TYPE	UNIT	Note
Avg_Harm_U_LL_PERC_1_L12	35000	float	%	
Avg_Harm_U_LL_PERC_2_L12	35002	float	%	
Avg_Harm_U_LL_PERC_3_L12	35004	float	%	
Avg_Harm_U_LL_PERC_4_L12	35006	float	%	
Avg_Harm_U_LL_PERC_5_L12	35008	float	%	
Avg_Harm_U_LL_PERC_6_L12	35010	float	%	
Avg_Harm_U_LL_PERC_7_L12	35012	float	%	
Avg_Harm_U_LL_PERC_8_L12	35014	float	%	
Avg_Harm_U_LL_PERC_9_L12	35016	float	%	
Avg_Harm_U_LL_PERC_10_L12	35018	float	%	
Avg_Harm_U_LL_PERC_11_L12	35020	float	%	
Avg_Harm_U_LL_PERC_12_L12	35022	float	%	
Avg_Harm_U_LL_PERC_13_L12	35024	float	%	
Avg_Harm_U_LL_PERC_14_L12	35026	float	%	
Avg_Harm_U_LL_PERC_15_L12	35028	float	%	
Avg_Harm_U_LL_PERC_16_L12	35030	float	%	
Avg_Harm_U_LL_PERC_17_L12	35032	float	%	
Avg_Harm_U_LL_PERC_18_L12	35034	float	%	
Avg_Harm_U_LL_PERC_19_L12	35036	float	%	
Avg_Harm_U_LL_PERC_20_L12	35038	float	%	
Avg_Harm_U_LL_PERC_21_L12	35040	float	%	
Avg_Harm_U_LL_PERC_22_L12	35042	float	%	
Avg_Harm_U_LL_PERC_23_L12	35044	float	%	
Avg_Harm_U_LL_PERC_24_L12	35046	float	%	
Avg_Harm_U_LL_PERC_25_L12	35048	float	%	
Avg_Harm_U_LL_PERC_26_L12	35050	float	%	
Avg_Harm_U_LL_PERC_27_L12	35052	float	%	
Avg_Harm_U_LL_PERC_28_L12	35054	float	%	
Avg_Harm_U_LL_PERC_29_L12	35056	float	%	
Avg_Harm_U_LL_PERC_30_L12	35058	float	%	
Avg_Harm_U_LL_PERC_31_L12	35060	float	%	
Avg_Harm_U_LL_PERC_32_L12	35062	float	%	
Avg_Harm_U_LL_PERC_33_L12	35064	float	%	
Avg_Harm_U_LL_PERC_34_L12	35066	float	%	
Avg_Harm_U_LL_PERC_35_L12	35068	float	%	
Avg_Harm_U_LL_PERC_36_L12	35070	float	%	
Avg_Harm_U_LL_PERC_37_L12	35072	float	%	
Avg_Harm_U_LL_PERC_38_L12	35074	float	%	
Avg_Harm_U_LL_PERC_39_L12	35076	float	%	
Avg_Harm_U_LL_PERC_40_L12	35078	float	%	
Avg_Harm_U_LL_PERC_1_L23	35080	float	%	
Avg_Harm_U_LL_PERC_2_L23	35082	float	%	
Avg_Harm_U_LL_PERC_3_L23	35084	float	%	
Avg_Harm_U_LL_PERC_4_L23	35086	float	%	
Avg_Harm_U_LL_PERC_5_L23	35088	float	%	
Avg_Harm_U_LL_PERC_6_L23	35090	float	%	
Avg_Harm_U_LL_PERC_7_L23	35092	float	%	
Avg_Harm_U_LL_PERC_8_L23	35094	float	%	
Avg_Harm_U_LL_PERC_9_L23	35096	float	%	
Avg_Harm_U_LL_PERC_10_L23	35098	float	%	
Avg_Harm_U_LL_PERC_11_L23	35100	float	%	
Avg_Harm_U_LL_PERC_12_L23	35102	float	%	
Avg_Harm_U_LL_PERC_13_L23	35104	float	%	
Avg_Harm_U_LL_PERC_14_L23	35106	float	%	
Avg_Harm_U_LL_PERC_15_L23	35108	float	%	
Avg_Harm_U_LL_PERC_16_L23	35110	float	%	
Avg_Harm_U_LL_PERC_17_L23	35112	float	%	
Avg_Harm_U_LL_PERC_18_L23	35114	float	%	
Avg_Harm_U_LL_PERC_19_L23	35116	float	%	
Avg_Harm_U_LL_PERC_20_L23	35118	float	%	
Avg_Harm_U_LL_PERC_21_L23	35120	float	%	
Avg_Harm_U_LL_PERC_22_L23	35122	float	%	
Avg_Harm_U_LL_PERC_23_L23	35124	float	%	
Avg_Harm_U_LL_PERC_24_L23	35126	float	%	
Avg_Harm_U_LL_PERC_25_L23	35128	float	%	
Avg_Harm_U_LL_PERC_26_L23	35130	float	%	
Avg_Harm_U_LL_PERC_27_L23	35132	float	%	
Avg_Harm_U_LL_PERC_28_L23	35134	float	%	
Avg_Harm_U_LL_PERC_29_L23	35136	float	%	
Avg_Harm_U_LL_PERC_30_L23	35138	float	%	

Avg line voltage harmonics				
DESCRIPTION	ADDRESS	TYPE	UNIT	Note
Avg_Harm_U_LL_PERC_31_L23	35140	float	%	
Avg_Harm_U_LL_PERC_32_L23	35142	float	%	
Avg_Harm_U_LL_PERC_33_L23	35144	float	%	
Avg_Harm_U_LL_PERC_34_L23	35146	float	%	
Avg_Harm_U_LL_PERC_35_L23	35148	float	%	
Avg_Harm_U_LL_PERC_36_L23	35150	float	%	
Avg_Harm_U_LL_PERC_37_L23	35152	float	%	
Avg_Harm_U_LL_PERC_38_L23	35154	float	%	
Avg_Harm_U_LL_PERC_39_L23	35156	float	%	
Avg_Harm_U_LL_PERC_40_L23	35158	float	%	
Avg_Harm_U_LL_PERC_1_L31	35160	float	%	
Avg_Harm_U_LL_PERC_2_L31	35162	float	%	
Avg_Harm_U_LL_PERC_3_L31	35164	float	%	
Avg_Harm_U_LL_PERC_4_L31	35166	float	%	
Avg_Harm_U_LL_PERC_5_L31	35168	float	%	
Avg_Harm_U_LL_PERC_6_L31	35170	float	%	
Avg_Harm_U_LL_PERC_7_L31	35172	float	%	
Avg_Harm_U_LL_PERC_8_L31	35174	float	%	
Avg_Harm_U_LL_PERC_9_L31	35176	float	%	
Avg_Harm_U_LL_PERC_10_L31	35178	float	%	
Avg_Harm_U_LL_PERC_11_L31	35180	float	%	
Avg_Harm_U_LL_PERC_12_L31	35182	float	%	
Avg_Harm_U_LL_PERC_13_L31	35184	float	%	
Avg_Harm_U_LL_PERC_14_L31	35186	float	%	
Avg_Harm_U_LL_PERC_15_L31	35188	float	%	
Avg_Harm_U_LL_PERC_16_L31	35190	float	%	
Avg_Harm_U_LL_PERC_17_L31	35192	float	%	
Avg_Harm_U_LL_PERC_18_L31	35194	float	%	
Avg_Harm_U_LL_PERC_19_L31	35196	float	%	
Avg_Harm_U_LL_PERC_20_L31	35198	float	%	
Avg_Harm_U_LL_PERC_21_L31	35200	float	%	
Avg_Harm_U_LL_PERC_22_L31	35202	float	%	
Avg_Harm_U_LL_PERC_23_L31	35204	float	%	
Avg_Harm_U_LL_PERC_24_L31	35206	float	%	
Avg_Harm_U_LL_PERC_25_L31	35208	float	%	
Avg_Harm_U_LL_PERC_26_L31	35210	float	%	
Avg_Harm_U_LL_PERC_27_L31	35212	float	%	
Avg_Harm_U_LL_PERC_28_L31	35214	float	%	
Avg_Harm_U_LL_PERC_29_L31	35216	float	%	
Avg_Harm_U_LL_PERC_30_L31	35218	float	%	
Avg_Harm_U_LL_PERC_31_L31	35220	float	%	
Avg_Harm_U_LL_PERC_32_L31	35222	float	%	
Avg_Harm_U_LL_PERC_33_L31	35224	float	%	
Avg_Harm_U_LL_PERC_34_L31	35226	float	%	
Avg_Harm_U_LL_PERC_35_L31	35228	float	%	
Avg_Harm_U_LL_PERC_36_L31	35230	float	%	
Avg_Harm_U_LL_PERC_37_L31	35232	float	%	
Avg_Harm_U_LL_PERC_38_L31	35234	float	%	
Avg_Harm_U_LL_PERC_39_L31	35236	float	%	
Avg_Harm_U_LL_PERC_40_L31	35238	float	%	

ého souboru.

Vstupy / Výstupy

Vstupy lze číst pomocí funkce 0x03 – Read Holding Registers

Stav výstupu lze nastavit pomocí funkce 0x10 – Write Multiple Registers

Inputs			
Name	ADDRESS	TYPE	Note
Vstup_1	36000	unsigned short	
Vstup_2	36001	unsigned short	
Vstup_3	36002	unsigned short	
Vstup_4	36003	unsigned short	

Pulse input			
Name	ADDRESS	TYPE	Note
Vstup_1	36004	unsigned long	Počet načítaných impulsů Vstupu_1
Vstup_2	36006	unsigned long	Počet načítaných impulsů Vstupu_2
Vstup_3	36008	unsigned long	Počet načítaných impulsů Vstupu_3
Vstup_4	36010	unsigned long	Počet načítaných impulsů Vstupu_4
Vstup_1 – weight	36012	unsigned long	Počet načítaných impulsů násobených váhou Vstupu_1
Vstup_2 – weight	36014	unsigned long	Počet načítaných impulsů násobených váhou Vstupu_2
Vstup_3 – weight	36016	unsigned long	Počet načítaných impulsů násobených váhou Vstupu_3
Vstup_4 – weight	36018	unsigned long	Počet načítaných impulsů násobených váhou Vstupu_4

Outputs			
Name	ADDRESS	TYPE	Note
Výstup_1	36000	unsigned short	
Výstup_2	36001	unsigned short	
Výstup_3	36002	unsigned short	
Výstup_4	36003	unsigned short	
Výstup_5	36001	unsigned short	
Výstup_6	36002	unsigned short	
Výstup_7	36003	unsigned short	

ID list ukládaných hodnot

Save value ID list	
Name	ID
Harm_U_LN_1	0
Harm_U_LN_2	1
Harm_U_LN_3	2
Harm_U_LN_4	3
Harm_U_LN_5	4
Harm_U_LN_6	5
Harm_U_LN_7	6
Harm_U_LN_8	7
Harm_U_LN_9	8
Harm_U_LN_10	9
Harm_U_LN_11	10
Harm_U_LN_12	11
Harm_U_LN_13	12
Harm_U_LN_14	13
Harm_U_LN_15	14
Harm_U_LN_16	15
Harm_U_LN_17	16
Harm_U_LN_18	17
Harm_U_LN_19	18
Harm_U_LN_20	19
Harm_U_LN_21	20
Harm_U_LN_22	21
Harm_U_LN_23	22
Harm_U_LN_24	23
Harm_U_LN_25	24
Harm_U_LN_26	25
Harm_U_LN_27	26
Harm_U_LN_28	27
Harm_U_LN_29	28
Harm_U_LN_30	29
Harm_U_LN_31	30
Harm_U_LN_32	31
Harm_U_LN_33	32
Harm_U_LN_34	33
Harm_U_LN_35	34
Harm_U_LN_36	35
Harm_U_LN_37	36
Harm_U_LN_38	37
Harm_U_LN_39	38
Harm_U_LN_40	39
Harm_U_LN_PERC_1	40
Harm_U_LN_PERC_2	41
Harm_U_LN_PERC_3	42
Harm_U_LN_PERC_4	43
Harm_U_LN_PERC_5	44
Harm_U_LN_PERC_6	45
Harm_U_LN_PERC_7	46
Harm_U_LN_PERC_8	47
Harm_U_LN_PERC_9	48
Harm_U_LN_PERC_10	49
Harm_U_LN_PERC_11	50
Harm_U_LN_PERC_12	51
Harm_U_LN_PERC_13	52
Harm_U_LN_PERC_14	53
Harm_U_LN_PERC_15	54
Harm_U_LN_PERC_16	55
Harm_U_LN_PERC_17	56
Harm_U_LN_PERC_18	57
Harm_U_LN_PERC_19	58
Harm_U_LN_PERC_20	59
Harm_U_LN_PERC_21	60
Harm_U_LN_PERC_22	61
Harm_U_LN_PERC_23	62
Harm_U_LN_PERC_24	63
Harm_U_LN_PERC_25	64
Harm_U_LN_PERC_26	65
Harm_U_LN_PERC_27	66
Harm_U_LN_PERC_28	67
Harm_U_LN_PERC_29	68
Harm_U_LN_PERC_30	69

Save value ID list	
Name	ID
Harm_U_LN_PERC_31	70
Harm_U_LN_PERC_32	71
Harm_U_LN_PERC_33	72
Harm_U_LN_PERC_34	73
Harm_U_LN_PERC_35	74
Harm_U_LN_PERC_36	75
Harm_U_LN_PERC_37	76
Harm_U_LN_PERC_38	77
Harm_U_LN_PERC_39	78
Harm_U_LN_PERC_40	79
Harm_I_1	80
Harm_I_2	81
Harm_I_3	82
Harm_I_4	83
Harm_I_5	84
Harm_I_6	85
Harm_I_7	86
Harm_I_8	87
Harm_I_9	88
Harm_I_10	89
Harm_I_11	90
Harm_I_12	91
Harm_I_13	92
Harm_I_14	93
Harm_I_15	94
Harm_I_16	95
Harm_I_17	96
Harm_I_18	97
Harm_I_19	98
Harm_I_20	99
Harm_I_21	100
Harm_I_22	101
Harm_I_23	102
Harm_I_24	103
Harm_I_25	104
Harm_I_26	105
Harm_I_27	106
Harm_I_28	107
Harm_I_29	108
Harm_I_30	109
Harm_I_31	110
Harm_I_32	111
Harm_I_33	112
Harm_I_34	113
Harm_I_35	114
Harm_I_36	115
Harm_I_37	116
Harm_I_38	117
Harm_I_39	118
Harm_I_40	119
Harm_I_PERC_1	120
Harm_I_PERC_2	121
Harm_I_PERC_3	122
Harm_I_PERC_4	123
Harm_I_PERC_5	124
Harm_I_PERC_6	125
Harm_I_PERC_7	126
Harm_I_PERC_8	127
Harm_I_PERC_9	128
Harm_I_PERC_10	129
Harm_I_PERC_11	130
Harm_I_PERC_12	131
Harm_I_PERC_13	132
Harm_I_PERC_14	133
Harm_I_PERC_15	134
Harm_I_PERC_16	135
Harm_I_PERC_17	136
Harm_I_PERC_18	137
Harm_I_PERC_19	138

Save value ID list	
Name	ID
Harm_I_PERC_20	139
Harm_I_PERC_21	140
Harm_I_PERC_22	141
Harm_I_PERC_23	142
Harm_I_PERC_24	143
Harm_I_PERC_25	144
Harm_I_PERC_26	145
Harm_I_PERC_27	146
Harm_I_PERC_28	147
Harm_I_PERC_29	148
Harm_I_PERC_30	149
Harm_I_PERC_31	150
Harm_I_PERC_32	151
Harm_I_PERC_33	152
Harm_I_PERC_34	153
Harm_I_PERC_35	154
Harm_I_PERC_36	155
Harm_I_PERC_37	156
Harm_I_PERC_38	157
Harm_I_PERC_39	158
Harm_I_PERC_40	159
Harm_U_LL_1	160
Harm_U_LL_2	161
Harm_U_LL_3	162
Harm_U_LL_4	163
Harm_U_LL_5	164
Harm_U_LL_6	165
Harm_U_LL_7	166
Harm_U_LL_8	167
Harm_U_LL_9	168
Harm_U_LL_10	169
Harm_U_LL_11	170
Harm_U_LL_12	171
Harm_U_LL_13	172
Harm_U_LL_14	173
Harm_U_LL_15	174
Harm_U_LL_16	175
Harm_U_LL_17	176
Harm_U_LL_18	177
Harm_U_LL_19	178
Harm_U_LL_20	179
Harm_U_LL_21	180
Harm_U_LL_22	181
Harm_U_LL_23	182
Harm_U_LL_24	183
Harm_U_LL_25	184
Harm_U_LL_26	185
Harm_U_LL_27	186
Harm_U_LL_28	187
Harm_U_LL_29	188
Harm_U_LL_30	189
Harm_U_LL_31	190
Harm_U_LL_32	191
Harm_U_LL_33	192
Harm_U_LL_34	193
Harm_U_LL_35	194
Harm_U_LL_36	195
Harm_U_LL_37	196
Harm_U_LL_38	197
Harm_U_LL_39	198
Harm_U_LL_40	299
Harm_U_LL_PERC_1	200
Harm_U_LL_PERC_2	201
Harm_U_LL_PERC_3	202
Harm_U_LL_PERC_4	203
Harm_U_LL_PERC_5	204
Harm_U_LL_PERC_6	205
Harm_U_LL_PERC_7	206
Harm_U_LL_PERC_8	207
Harm_U_LL_PERC_9	208

Save value ID list	
Name	ID
Harm_U_LL_PERC_10	209
Harm_U_LL_PERC_11	210
Harm_U_LL_PERC_12	211
Harm_U_LL_PERC_13	212
Harm_U_LL_PERC_14	213
Harm_U_LL_PERC_15	214
Harm_U_LL_PERC_16	215
Harm_U_LL_PERC_17	216
Harm_U_LL_PERC_18	217
Harm_U_LL_PERC_19	218
Harm_U_LL_PERC_20	219
Harm_U_LL_PERC_21	220
Harm_U_LL_PERC_22	221
Harm_U_LL_PERC_23	222
Harm_U_LL_PERC_24	223
Harm_U_LL_PERC_25	224
Harm_U_LL_PERC_26	225
Harm_U_LL_PERC_27	226
Harm_U_LL_PERC_28	227
Harm_U_LL_PERC_29	228
Harm_U_LL_PERC_30	229
Harm_U_LL_PERC_31	230
Harm_U_LL_PERC_32	231
Harm_U_LL_PERC_33	232
Harm_U_LL_PERC_34	233
Harm_U_LL_PERC_35	234
Harm_U_LL_PERC_36	235
Harm_U_LL_PERC_37	236
Harm_U_LL_PERC_38	237
Harm_U_LL_PERC_39	238
Harm_U_LL_PERC_40	239
CosFi	240
CosFi_3F	241
Pf	242
Pf_3F	243
CosFi_Mod	244
CosFi_3F_Mod	245
Pf_Mod	246
Pf_3F_Mod	247
S	248
P	249
Q	250
P_3F	251
S_3F	252
Q_3F	253
U_LN	254
U_LL	255
Thdu_LN	256
Thdu_LL	257
Current	258
Thdi	259
Frequency	260
UnderDeviation_LN	261
OverDeviation_LN	262
UnderDeviation_LL	263
OverDeviation_LL	264
Unbalance_LN_U2	265
Unbalance_I_I2	266
Unbalance_LN_U0	267
Unbalance_I_I0	268
KFactor	269
DistortionPower	270
Temperature	271
U_Angle	272
I_Angle	273
Tdd	274
I_Zero	275