MODBUS TABLE

Communication Parameters

BAUDRATE : 19200 BPS (default)

DATA BİTS : 8

PARITY : NONE

STOP BITS : 1

Parameters that can be read, written, and deleted via Modbus during remote access are shown in the Modbus Maps table. In the R/W/E column of the table:

R → Parameter values can be read,

W → It can be written to the parameter,

E → Indicates that the parameter value can be deleted.

Note: A parameter can also have more than one attribute. For example, if the column says R/W, it indicates that the parameter can be both read and written.

REACTIVE POWER CONTROL RELAY MODBUS MAP								
Parameter Name	**Adress(dec)**	**Multiplier**	**Unit**	**Data Type**	**R/W/E**			
Serial Number	100		-	32 bit Long	R			
Product (Type, Subtype)+Appl. Version(Main, Sub)	102		-	32 bit Long	R			
Hardware (0,Type) + HardwareVersion (Main,Sub)	104		-	32 bit Long	R			
ParameterVers. + SystemVers. (Main,Sub)	106		-	32 bit Long	R			
PARAMETERS								
Parameter Name	**Adress**	**Multiplier**	**Unit**	**Data Type**	**R/W/E**	**Min**	**Max**	**Default**
Parameter Version	200	1	-	16 bit Long	R	0	255	6
Working Time	201	1	-	16 bit Long	R	0	32767	-
Reset Status	202	1	-	16 bit Long	R	0	0	-
Power Down Counter	203	1	-	16 bit Long	R	0	32767	-
Modbus Adress	206	1	-	16 bit Long	R/W	1	247	1
Bus Speed (Table Index) *1*	207	1	-	16 bit Long	R/W	0	6	2
Read Protection Bit	208	1	-	16 bit Long	R	0	1	0
Write Protect Bit	209	1	-	16 bit Long	R	0	1	0
Reading Password Confirmation	210	1	-	16 bit Long	R/W	0	4	0
Write Password Confirmation	211	1	-	16 bit Long	R/W	0	4	0
Current Tr. Ratio (Table Index) *2*	214	1	-	16 bit Long	R/W	0	69	0
Line Voltage (Table Index) *3*	215	1	-	16 bit Long	R/W	0	49	6
Measur. Voltage (Table Index) *4*	216	1	-	16 bit Long	R/W	0	23	16
Demand Period	219	1	-	16 bit Long	R/W	1	60	15

Modbus Current Sensitivity	220	1	-	16 bit Long	R/W	1	1000	1
Reset Unknown Counter	229	1	-	16 bit Long	R	-	-	-
Reset PowerOn Counter	230	1	-	16 bit Long	R	-	-	-
Reset BrownOut Counter	231	1	-	16 bit Long	R	-	-	-
Reset BrownOut Counter	232	1	-	16 bit Long	R	-	-	-
Reset Software Counter	233	1	-	16 bit Long	R	-	-	-
Reset MCLR Low Power Counter	234	1	-	16 bit Long	R	-	-	-
Reset OBL	235	1	-	16 bit Long	R	-	-	-
Reset 18 Volt	236	1	-	16 bit Long	R	-	-	-
Number of Samples	241	1	-	16 bit Long	R/W	1	16	8
Screen Percentage	242	1	-	16 bit Long	R/W	1	60	30
Screen Index *5*	244	1	-	16 bit Long	R/W	1	44	5
Screen Auto Display Bit	245	1	-	16 bit Long	R/W	0	1	0
Display Range	246	1	-	16 bit Long	R/W	1	180	180
Display Mode	247	1	-	16 bit Long	R/W	0	2	0
Access Level	250	1	-	16 bit Long	R/W	0	3	0
Generator Control	252	1	-	16 bit Long	R/W	0	1	0
Step Discharge Time	253	1	-	16 bit Long	R/W	-	-	-
Gain Control Bit	254	1	-	16 bit Long	R/W	1	0	1
Current Direction I-V Eq. *6*	255	1	-	16 bit Long	R/W	-	-	-
Inductive Limit	257	1	-	16 bit Long	R/W	1	50	8
Capacitive Limit	258	1	-	16 bit Long	R/W	1	50	12
Hysteresis in Inductance	259	1	-	16 bit Long	R/W	5	50	20
Hysteresis in Capacitor	260	1	-	16 bit Long	R/W	5	50	20
Normally Hysteresis	261	1	-	16 bit Long	R/W	3	50	10
Inductive Response Time	262	1	-	16 bit Long	R/W	2	250	20
Capacitive Response Time	263	1	-	16 bit Long	R/W	2	250	20
Normal Response Time	264	1	-	16 bit Long	R/W	2	250	250
Level Common Control	265	1	-	16 bit Long	R/W	0	1	1
Target Cos (Line) *7*	266	1	-	16 bit Long	R/W	0	36	0
Target Cos (Generator) *8*	267	1	-	16 bit Long	R/W	8	36	31
Additional Power Time	268	1	-	16 bit Long	R/W	0	720	0
Additional Reactive Power 3Phase	269	1	-	16 bit Long	R/W	-9000	9000	0
Minimum Power Value	273	1	-	16 bit Long	R/W	3	4000	10
Power Sensitivity	274	1	-	16 bit Long	R/W	3	4000	10
Measurement Error	275	1	-	16 bit Long	R/W	1	10	3
Measurement Value	276	1	-	16 bit Long	R/W	2	200	5
Min Hys. Difference	277	1	-	16 bit Long	R/W	2	200	5
Low Voltage	310	1	-	16 bit Long	R/W	0	1000	180
High Voltage	311	1	-	16 bit Long	R/W	0	1000	250
High Temperature	313	1	-	16 bit Long	R/W	0	100	50

1 Modbus Speed Table

Index	0	1	2	3	4	5	6
Speed	4800	9600	19200	38400	57600	115200	256000

2 Current Transformer Table (X/5 A)

indies	Value	indies	Value	indies	Value
0	5 A	23	240 A	47	1500 A
1	10 A	24	250 A	48	1600 A
2	15 A	25	300 A	49	1800 A
3	20 A	26	330 A	50	2000 A
4	25 A	27	350 A	51	2200 A
5	30 A	28	360 A	52	2400 A
6	40 A	29	400 A	53	2500 A
7	50 A	30	450 A	54	2600 A
8	60 A	31	500 A	55	3000 A
9	70 A	32	520 A	56	3200 A
10	75 A	33	550 A	57	3500 A
11	80 A	34	600 A	58	3600 A
12	90 A	35	630 A	59	4000 A
13	100 A	36	650 A	60	4500 A
14	120 A	37	700 A	61	5000 A
15	125 A	38	730 A	62	5500 A
16	130 A	39	750 A	63	6000 A
17	150 A	40	800 A	64	6500 A
18	160 A	41	900 A	65	7000 A
19	175 A	42	1000 A	66	7500 A
20	180 A	43	1100 A	67	8000 A
21	200 A	44	1200 A	68	8500 A
22	225 A	45	1250 A	69	10000 A
		46	1400 A		

3 Line Voltage Table

indies	Value	indies	Value	indies	Value
0	173 V	17	850 V	33	28500 V
1	190 V	18	900 V	34	29250 V
2	200 V	19	1000 V	35	30000 V
3	208 V	20	3600 V	36	30750 V
4	220 V	21	6300 V	37	30800 V
5	380 V	22	7200 V	38	31500 V
6	400 V	23	10500 V	39	32000 V
7	415 V	24	11000 V	40	32800 V
8	440 V	25	12000 V	41	33000 V
9	480 V	26	13800 V	42	33600 V
10	500 V	27	14000 V	43	34500 V
11	525 V	28	15000 V	44	35000 V
12	550 V	29	15800 V	45	35400 V
13	650 V	30	17000 V	46	36000 V
14	690 V	31	17500 V	47	36200 V
15	725 V	32	24000 V	48	38500 V
16	800 V			49	46000 V

4 Measurement Voltage Table

indies	Value	indies	Value	indies	Value
0	22 V	8	110 V	16	400 V
1	25 V	9	120 V	17	415 V
2	30 V	10	173 V	18	440 V
3	33 V	11	190 V	19	480 V
4	36 V	12	200 V	20	525 V
5	40 V	13	208 V	21	600 V
6	50 V	14	220 V	22	690 V
7	100 V	15	380 V	23	725 V

***5* Display Index Table**

Indies	Equivalent	Indies	Equivalent
1	Voltage	23	Minimum Voltage Import
2	Peak to Peak Voltage	24	Maximum Current Import
3	Frequency	25	Minimum Current Import
4	Current	26	Maximum Instant Active Power Import
5	Cos (fi)	27	Minimum Instant Active Power Import
6	Instantaneous Active Power	28	Maximum Instantaneous Reactive Power Import
7	Instantaneous Reactive Power	29	Minimum Instantaneous Reactive Power Import
8	Instantaneous Reactive Load	30	Active Power Export
9	Instantaneous Compensated Reactive Load	31	Inductive Power Export
10	Average Voltage Current Frequency	32	Capacitive Power Export
11	Average Active Reactive Apparent Power	33	Demand Voltage Export
12	Instantaneous Power Rates	34	Demand Current Export
13	Ratios	35	Demand Active Power Export
14	Active Power Import	36	Demand Reactive Power Export
15	Inductive Power Import	37	Maximum Voltage Export
16	Capacitive Power Import	38	Minimum Voltage Export
17	Temperature	39	Maximum Current Export
18	Demand Voltage Import	40	Minimum Current Export
19	Demand Current Import	41	Maximum Instant Active Power Export
20	Demand Active Power Import	42	Minimum Instantaneous Active Power Export
21	Demand Reactive Power Import	43	Maximum Instantaneous Reactive Power Export
22	Maximum Voltage Import	44	Minimum Instantaneous Reactive Power Export

255. Register:

HIGH								LOW							
15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0

15, 14, 13, 12 and 11: Meaningless

Bit 10: 3rd Phase Current Direction

Bit 9: 2nd Phase Current Direction

Bit 8: 1st Phase Current Direction

1: Negative

0: Positive

LOW: The decimal value of the value in the Low section is taken.

Units digit 1. Phase Voltage,

Tens place 2. Phase Voltage,

The hundreds digit represents the 3rd Phase Voltage.

0: 1st Phase Current

1: 2nd Phase Current

2: 3rd Phase Current

Example: Register 255 was read as 0x0678. So:

HIGH								LOW							
15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
0	0	0	0	0	1	1	0	0	1	1	1	1	0	0	0

15, 14, 13, 12 and 11: Meaningless

Bit 10: 3rd Phase Current Direction is Negative.

Bit 9: 2nd Phase Current Direction is Negative.

Bit 8: 1st Phase Current Direction is Positive.

LOW: The decimal equivalent of the Low part is 120.

The number 120;

Units place 0: 1st Phase Voltage depends on 1st Phase Current.

tens place 2: 2nd Phase Voltage depends on 3rd Phase Current.

hundreds place 1: 3rd Phase Voltage depends on 2nd Phase Current.

***7* Target Cos(φ) Table for Line**

CAPACITIVE		INDUCTIVE	
0	10000	0	10000
-1	9998	1	9998
-2	9994	2	9994
-3	9986	3	9986
-4	9976	4	9976
-5	9962	5	9962
-6	9945	6	9945
-7	9925	7	9925
-8	9903	8	9903
-9	9877	9	9877
-10	9848	10	9848
-11	9816	11	9816
-12	9781	12	9781
-13	9744	13	9744
-14	9703	14	9703
-15	9659	15	9659
-16	9613	16	9613
-17	9563	17	9563
-18	9511	18	9511
-19	9455	19	9455
-20	9397	20	9397
-21	9336	21	9336
-22	9272	22	9272
-23	9205	23	9205
-24	9135	24	9135
-25	9063	25	9063
-26	8988	26	8988
-27	8910	27	8910
-28	8829	28	8829
-29	8746	29	8746
-30	8660	30	8660
-31	8572	31	8572
-32	8480	32	8480
-33	8387	33	8387
-34	8290	34	8290
-35	8192	35	8192
-36	8090	36	8090

***8* Target cos(φ) Table for Generator**

CAPACITIVE		INDUCTIVE	
-8	9903	8	9903
-9	9877	9	9877
-10	9848	10	9848
-11	9816	11	9816
-12	9781	12	9781
-13	9744	13	9744
-14	9703	14	9703
-15	9659	15	9659
-16	9613	16	9613
-17	9563	17	9563
-18	9511	18	9511
-19	9455	19	9455
-20	9397	20	9397
-21	9336	21	9336
-22	9272	22	9272
-23	9205	23	9205
-24	9135	24	9135
-25	9063	25	9063
-26	8988	26	8988
-27	8910	27	8910
-28	8829	28	8829
-29	8746	29	8746
-30	8660	30	8660
-31	8572	31	8572
-32	8480	32	8480
-33	8387	33	8387
-34	8290	34	8290
-35	8192	35	8192
-36	8090	36	8090

Temperature	997	1	C	16 bit Long	R
Serial Number	998	1	-	32 bit Long	R
Current Sensitivity	1000	1	-	16 bit Long	R
Current Transformer Ratio	1001	1	-	16 bit Long	R
Line Voltage	1002	1	Volt	16 bit Long	R
Measuring Voltage	1003	1	Volt	16 bit Long	R
1. Phase Neutral Voltage	1004	0,1	Volt	int16	R
Phase 1 Current	1005	0,001	Amper	int16	R
Phase 1 Active Power	1006	1	Watt	int16	R
Phase 1 Reactive Power	1007	1	VAr	int16	R
Phase 1 Apparent Power	1008	1	VAr	int16	R
Phase 1 Frequency	1009	0,01	Hz	int16	R
Phase 2 Neutral Voltage	1010	0,1	Volt	int16	R
Phase 2 Current	1011	0,001	Amper	int16	R
Phase 2 Active Power	1012	1	Watt	int16	R
Phase 2 Reactive Power	1013	1	VAr	int16	R
Phase 2 Apparent Power	1014	1	VAr	int16	R
Phase 2 Frequency	1015	0,01	Hz	int16	R
Phase 3 Neutral Voltage	1016	0,1	Volt	int16	R
Phase 3 Current	1017	0,001	Amper	int16	R
Phase 3 Active Power	1018	1	Watt	int16	R
Phase 3 Reactive Power	1019	1	VAr	int16	R
Phase 3 Apparent Power	1020	1	VAr	int16	R
Phase 3 Frequency	1021	0,01	Hz	int16	R
Neutral Voltage	1022	0,1	Volt	int16	R
Neutral Current	1023	0,001	Amper	int16	R
L1-L2 Phase-to-Phase Voltage	1024	0,1	Volt	int16	R
L2-L3 Phase-to-Phase Voltage	1025	0,1	Volt	int16	R
L3-L1 Phase-to-Phase Voltage	1026	0,1	Volt	int16	R
Phase 1 cos(fi)	1027	0,001	-	int16	R
Phase 1 tanfi)	1028	0,001	-	int16	R
Phase 1 PF	1029	0,001	-	int16	R
Phase 1 THD	1030	0,001	-	int16	R
Phase 1THID	1031	0,001	-	int16	R
Phase 1 THVD	1032	0,001	-	int16	R
Phase 2 cos(fi)	1033	0,001	-	int16	R
Phase 2 tan(fi)	1034	0,001	-	int16	R
Phase 2 PF	1035	0,001	-	int16	R
Phase 2 THD	1036	0,001	-	int16	R

Phase 2 THID	1037	0,001	-	int16	R
Phase 2 THVD	1038	0,001	-	int16	R
Phase 3 cos(fi)	1039	0,001	-	int16	R
Phase 3 tan(fi)	1040	0,001	-	int16	R
Phase 3 PF	1041	0,001	-	int16	R
Phase 3 THD	1042	0,001	-	int16	R
Phase 3 THID	1043	0,001	-	int16	R
Phase 3 THVD	1044	0,001	-	int16	R
Total Active Power (Consumption)	1045	1	Watt	int16	R
Total Inductive Power (Consumption)	1046	1	VAr	int16	R
Total Capacitive Power (Consumption)	1047	1	VAr	int16	R
Total Reactive Power (Consumption)	1048	1	VAr	int16	R
Total Apparent Power (Consumption)	1049	1	VAr	int16	R
Total Active Power (Generation)	1050	1	Watt	int16	R
Total Inductive Power (Generation)	1051	1	VAr	int16	R
Total Capacitive Power (Generation)	1052	1	VAr	int16	R
Total Reactive Power (Generation)	1053	1	VAr	int16	R
Total Apparent Power (Generation)	1054	1	VAr	int16	R
Average Current (Consumption)	1055	0,001	Amper	int16	R
Average Active Power (Consumption)	1056	1	Watt	int16	R
Average cos(fi) (Consumption)	1057	0,001		int16	R
Average tan(fi) (Consumption)	1058	0,001		int16	R
Average PF (Consumption)	1059	0,001		int16	R
Average Current (Generation)	1060	0,001		int16	R
Average Active Power (Generation)	1061	1	Watt	int16	R
Average cos(fi) (Generation)	1062	0,001		int16	R
Average tan(fi) (Generation)	1063	0,001		int16	R
Average PF (Generation)	1064	0,001		int16	R
Average THD (Consumption/Generation)	1065	0,001		int16	R
Average THID (Consumption/Generation)	1066	0,001		int16	R
Average THVD (Consumption/Generation)	1067	0,001		int16	R
Average Voltage (Consumption/Generation)	1068	0,1	Volt	int16	R
Serial Number	1069	1	-	32 bit Long	R
Current Sensitivity	1071	1	-	16 bit Long	R
Current Transformer Ratio	1072	1	-	16 bit Long	R
Line Voltage	1073	1	-	16 bit Long	R
Measuring Voltage	1074	1	-	16 bit Long	R
1st Phase Minimum Voltage (Consumption)	1075	0,1	Volt	int16	R

Phase 1 Maximum Voltage (Consumption)	1076	0,1	Volt	int16	R
Phase 1 Minimum Current (Consumption)	1077	0,001	Amper	int16	R
Phase 1 Max Current (Consumption)	1078	0,001	Amper	int16	R
Phase 1 Minimum Active Power (Consumption)	1079	1	Watt	int16	R
Phase 1 Max Active Power (Consumption)	1080	1	Watt	int16	R
Phase 1 Minimum Reactive Power (Consumption)	1081	1	VAr	int16	R
Phase 1 Max Reactive Power (Consumption)	1082	1	VAr	int16	R
Phase 1 Minimum Apparent Power (Consumption)	1083	1	VAr	int16	R
Phase 1 Max Apparent Power (Consumption)	1084	1	VAr	int16	R
Phase 2 Minimum Voltage (Consumption)	1085	0,1	Volt	int16	R
Phase 2 Maximum Voltage (Consumption)	1086	0,1	Volt	int16	R
Phase 2 Minimum Current (Consumption)	1087	0,001	Amper	int16	R
Phase 2 Max Current (Consumption)	1088	0,001	Amper	int16	R
Phase 2 Min Active Power (Consumption)	1089	1	Watt	int16	R
Phase 2 Max Active Power (Consumption)	1090	1	Watt	int16	R
Phase 2 Min Reactive Power (Consumption)	1091	1	VAr	int16	R
Phase 2 Max Reactive Power (Consumption)	1092	1	VAr	int16	R
Phase 2 Minimum Apparent Power (Consumption)	1093	1	VAr	int16	R
Phase 2 Max Apparent Power (Consumption)	1094	1	VAr	int16	R
Phase 3 Minimum Voltage (Consumption)	1095	0,1	Volt	int16	R
Phase 3 Max Voltage (Consumption)	1096	0,1	Volt	int16	R
Phase 3 Minimum Current (Consumption)	1097	0,001	Amper	int16	R
Phase 3 Max Current (Consumption)	1098	0,001	Amper	int16	R
Phase 3 Min Active Power (Consumption)	1099	1	Watt	int16	R
Phase 3 Max Active Power (Consumption)	1100	1	Watt	int16	R
Phase 3 Min Reactive Power (Consumption)	1101	1	VAr	int16	R
Phase 3 Max Reactive Power (Consumption)	1102	1	VAr	int16	R
Phase 3 Min Apparent Power (Consumption)	1103	1	VAr	int16	R
Phase 3 Max Apparent Power (Consumption)	1104	1	VAr	int16	R
Phase 3 Minimum Voltage (Generation)	1105	0,1	Volt	int16	R
Phase 1 Max Voltage (Generation)	1106	0,1	Volt	int16	R
Phase 1 Min Current (Generation)	1107	0,001	Amper	int16	R
Phase 1 Max Current (Generation)	1108	0,001	Amper	int16	R
Phase 1 Minimum Active Power (Generation)	1109	1	Watt	int16	R
Phase 1 Max Active Power (Generation)	1110	1	Watt	int16	R
Phase 1 Minimum Reactive Power (Generation)	1111	1	VAr	int16	R
Phase 1 Max Reactive Power (Generation)	1112	1	VAr	int16	R
Phase 1 Minimum Apparent Power (Generation)	1113	1	VAr	int16	R
Phase 1 Max Apparent Power (Generation)	1114	1	VAr	int16	R
Phase 2 Minimum Voltage (Generation)	1115	0,1	Volt	int16	R
Phase 2 Maximum Voltage (Generation)	1116	0,1	Volt	int16	R

Phase 2 Min Current (Generation)	1117	0,001	Amper	int16	R
Phase 2 Max Current (Generation)	1118	0,001	Amper	int16	R
Phase 2 Min Active Power (Generation)	1119	1	Watt	int16	R
Phase 2 Max Active Power (Generation)	1120	1	Watt	int16	R
Phase 2 Min Reactive Power (Generation)	1121	1	VAr	int16	R
Phase 2 Max Reactive Power (Generation)	1122	1	VAr	int16	R
Phase 2 Min Apparent Power (Generation)	1123	1	VAr	int16	R
Phase 2 Max Apparent Power (Generation)	1124	1	VAr	int16	R
Phase 3 Min Voltage (Generation)	1125	0,1	Volt	int16	R
Phase 3 Maximum Voltage (Generation)	1126	0,1	Volt	int16	R
Phase 3 Min Current (Generation)	1127	0,001	Amper	int16	R
Phase 3 Max Current (Generation)	1128	0,001	Amper	int16	R
Phase 3 Min Active Power (Generation)	1129	1	Watt	int16	R
Phase 3 Max Active Power (Generation)	1130	1	Watt	int16	R
Phase 3 Min Reactive Power (Generation)	1131	1	VAr	int16	R
Phase 3 Max Reactive Power (Generation)	1132	1	VAr	int16	R
Phase 3 Min Apparent Power (Generation)	1133	1	VAr	int16	R
Phase 3 Max Apparent Power (Generation)	1134	1	VAr	int16	R
Serial Number	1135	1	-	32 bit Long	R
Current Sensitivity	1137	1		16 bit Long	R
Current Transformer Ratio	1138	1		16 bit Long	R
Line Voltage	1139	1	Volt	16 bit Long	R
Measurement Voltage	1140	1	Volt	16 bit Long	R
Phase 1 Demand Voltage (Consumption)	1141	0,1	Volt	int16	R
Phase 1 Demand Current (Consumption)	1142	0,001	Amper	int16	R
Phase 1 Demand Active Power (Consumption)	1143	1	Watt	int16	R
Phase 1 Demand Reactive Power (Consumption)	1144	1	VAr	int16	R
Phase 1 Demand Apparent Power (Consumption)	1145	1	VAr	int16	R
Phase 2 Demand Voltage (Consumption)	1146	0,1	Volt	int16	R
Phase 2 Demand Current (Consumption)	1147	0,001	Amper	int16	R
Phase 2 Demand Active Power (Consumption)	1148	1	Watt	int16	R
Phase 2 Demand Reactive Power (Consumption)	1149	1	VAr	int16	R
Phase 2 Demand Apparent Power (Consumption)	1150	1	VAr	int16	R
Phase 3 Demand Voltage (Consumption)	1151	0,1	Volt	int16	R
Phase 3 Demand Current (Consumption)	1152	0,001	Amper	int16	R
Phase 3 Demand Active Power (Consumption)	1153	1	Watt	int16	R
Phase 3 Demand Reactive Power (Consumption)	1154	1	VAr	int16	R
Phase 3 Demand Apparent Power (Consumption)	1155	1	VAr	int16	R
Phase 1 Demand Voltage (Generation)	1156	0,1	Volt	int16	R
Phase 1 Demand Current (Generation)	1157	0,001	Amper	int16	R

Phase 1 Demand Active Power (Generation)	1158	1	Watt	int16	R
Phase 1 Demand Reactive Power (Generation)	1159	1	VAr	int16	R
Phase 1 Demand Apparent Power (Generation)	1160	1	VAr	int16	R
Phase 2 Demand Voltage (Generation)	1161	0,1	Volt	int16	R
Phase 2 Demand Current (Generation)	1162	0,001	Amper	int16	R
Phase 2 Demand Active Power (Generation)	1163	1	Watt	int16	R
Phase 2 Demand Reactive Power (Generation)	1164	1	VAr	int16	R
Phase 2 Demand Apparent Power (Generation)	1165	1	VAr	int16	R
Phase 3 Demand Voltage (Generation)	1166	0,1	Volt	int16	R
Phase 3 Demand Current (Generation)	1167	0,001	Amper	int16	R
Phase 3 Demand Active Power (Generation)	1168	1	Watt	int16	R
Phase 3 Demand Reactive Power (Generation)	1169	1	VAr	int16	R
Phase 3 Demand Apparent Power (Generation)	1170	1	VAr	int16	R
Serial Number	1171	1	-	32 bit Long	R
Current Sensitivity	1173	1		16 bit Long	R
Current Transformer Ratio	1174	1		16 bit Long	R
Line Voltage	1175	1	Volt	16 bit Long	R
Measurement Voltage	1176	1	Volt	16 bit Long	R
Phase 1 Min Voltage (Generation)	1177	0,1	Volt	int16	R
Phase 1 Max Voltage (Generation)	1178	0,1	Volt	int16	R
Phase 1 Min Current (Generation)	1179	0,001	Amper	int16	R
Phase 1 Max Current (Generation)	1180	0,001	Amper	int16	R
Phase 1 Min Active Power (Generator)	1181	1	Watt	int16	R
Phase 1 Max Active Power (Generator)	1182	1	Watt	int16	R
Phase 1 Min Reactive Power (Generator)	1183	1	VAr	int16	R
Phase 1 Max Reactive Power (Generator)	1184	1	VAr	int16	R
Phase 1 Min Apparent Power (Generator)	1185	1	VAr	int16	R
Phase 1 Max Apparent Power (Generator)	1186	1	VAr	int16	R
Phase 2 Min Voltage (Generation)	1187	0,1	Volt	int16	R
Phase 2 Max Voltage (Generation)	1188	0,1	Volt	int16	R
Phase 2 Min Current (Generation)	1189	0,001	Amper	int16	R
Phase 2 Max Current (Generation)	1190	0,001	Amper	int16	R
Phase 2 Min Active Power (Generator)	1191	1	Watt	int16	R
Phase 2 Max Active Power (Generator)	1192	1	Watt	int16	R
Phase 2 Min Reactive Power (Generator)	1193	1	VAr	int16	R
Phase 2 Max Reactive Power (Generator)	1194	1	VAr	int16	R
Phase 2 Min Apparent Power (Generator)	1195	1	VAr	int16	R
Phase 1 Max Apparent Power (Generator)	1196	1	VAr	int16	R
Phase 3 Min Voltage (Generation)	1197	0,1	Volt	int16	R
Phase 3 Max Voltage (Generation)	1198	0,1	Volt	int16	R

Phase 3 Min Current (Generation)	1199	0,001	Amper	int16	R
Phase 3 Max Current (Generation)	1200	0,001	Amper	int16	R
Phase 3 Min Active Power (Generator)	1201	1	Watt	int16	R
Phase 3 Max Active Power (Generator)	1202	1	Watt	int16	R
Phase 3 Min Reactive Power (Generator)	1203	1	VAr	int16	R
Phase 3 Max Reactive Power (Generator)	1204	1	VAr	int16	R
Phase 3 Min Apparent Power (Generator)	1205	1	VAr	int16	R
Phase 3 Min Apparent Power (Generator)	1206	1	VAr	int16	R
Serial Number	1207	1	-	32 bit Long	R
Current Sensivitiy	1209	1		16 bit Long	R
Current Transformer Ratio	1210	1		16 bit Long	R
Line Voltage	1211	1	Volt	16 bit Long	R
Measurement Voltage	1212	1	Volt	16 bit Long	R
Phase 1 Demand Voltage (Generator)	1213	0,1	Volt	int16	R
Phase 1 Demand Current (Generator)	1214	0,001	Volt	int16	R
Phase 1 Demand Active Power (Generator)	1215	1	Watt	int16	R
Phase 1 Demand Reactive Power (Generator)	1216	1	VAr	int16	R
Phase 1 Demand Apparent Power (Generator)	1217	1	VAr	int16	R
Phase 2 Demand Voltage (Generator)	1218	0,1	Volt	int16	R
Phase 2 Demand Current (Generator)	1219	0,001	Volt	int16	R
Phase 2 Demand Active Power (Generator)	1220	1	Watt	int16	R
Phase 2 Demand Reactive Power (Generator)	1221	1	VAr	int16	R
Phase 2 Demand Apparent Power (Generator)	1222	1	VAr	int16	R
Phase 3 Demand Voltage (Generator)	1223	0,1	Volt	int16	R
Phase 3 Demand Current (Generator)	1224	0,001	Volt	int16	R
Phase 3 Demand Active Power (Generator)	1225	1	Watt	int16	R
Phase 3 Demand Reactive Power (Generator)	1226	1	VAr	int16	R
Phase 3 Demand Apparent Power (Generator)	1227	1	VAr	int16	R
Serial Number	1398	1	-	32 bit Long	R
Current Sensivitiy	1400	1		16 bit Long	R
Current Transformer Ratio	1401	1		16 bit Long	R
Line Voltage	1402	1	Volt	16 bit Long	R
Measurement Voltage	1403	1	Volt	16 bit Long	R
Total Active Energy (Consumption)	1404	1	Wh	uint32	R/E
Total Inductive Energy (Consumption)	1406	1	VArh	uint32	R/E
Total Capacitive Energy (Consumption)	1408	1	VArh	uint32	R/E
Total Active Energy (Generation)	1410	1	Wh	uint32	R/E
Total Inductive Energy (Generation)	1412	1	VArh	uint32	R/E
Total Capacitive Energy (Generation)	1414	1	VArh	uint32	R/E

Total Active Energy Generator (Consumption)	1416	1	Wh	uint32	R/E
Total Inductive Energy Generator (Consumption)	1418	1	VArh	uint32	R/E
Total Capacitive Energy Generator (Consumption)	1420	1	VArh	uint32	R/E
Total Active Energy Generator (Generation)	1422	1	Wh	uint32	R/E
Total Inductive Energy Generator (Generation)	1424	1	VArh	uint32	R/E
Total Capacitive Energy Generator (Generation	1426	1	VArh	uint32	R/E
Phase 1 Active Energy (Consumption)	1428	1	Wh	uint32	R/E
Phase 1 Inductive Energy (Consumption)	1430	1	VArh	uint32	R/E
Phase 1 Capacitive Energy (Consumption)	1432	1	VArh	uint32	R/E
Phase 1 Active Energy (Generation)	1434	1	Wh	uint32	R/E
Phase 1 Inductive Energy (Generation)	1436	1	VArh	uint32	R/E
Phase 1 Capacitive Energy (Generation)	1438	1	VArh	uint32	R/E
Phase 1 Active Energy Generator(Consumption)	1440	1	Wh	uint32	R/E
Phase 2 Inductive Energy (Consumption)	1442	1	VArh	uint32	R/E
Phase 2 Capacitive Energy (Consumption)	1444	1	VArh	uint32	R/E
Phase 2 Active Energy (Generation)	1446	1	Wh	uint32	R/E
Phase 2 Inductive Energy (Generation)	1448	1	VArh	uint32	R/E
Phase 2 Capacitive Energy (Generation)	1450	1	VArh	uint32	R/E
Phase 3 Active Energy (Consumption)	1452	1	Wh	uint32	R/E
Phase 3 Inductive Energy (Consumption)	1454	1	VArh	uint32	R/E
Phase 3 Capacitive Energy (Consumption)	1456	1	VArh	uint32	R/E
Phase 3 Active Energy (Generation)	1458	1	Wh	uint32	R/E
Phase 3 Inductive Energy (Generation)	1460	1	VArh	uint32	R/E
Phase 3 Capacitive Energy (Generation)	1462	1	VArh	uint32	R/E
Phase 1 Active Energy Generator(Consumption)	1464	1	Wh	uint32	R/E
Phase 1 Inductive Energy Generator(Consumption)	1466	1	VArh	uint32	R/E
Phase 1 Capacitive Energy Generator(Consumption)	1468	1	VArh	uint32	R/E
Phase 1 Active Energy Generator(Generation)	1470	1	Wh	uint32	R/E
Phase 1 Inductive Energy Generator(Generation)	1472	1	VArh	uint32	R/E
Phase 1 Capacitive Energy Generator(Generation)	1474	1	VArh	uint32	R/E
Phase 2 Active Energy Generator(Consumption)	1476	1	Wh	uint32	R/E
Phase 2 Inductive Energy Generator(Consumption)	1478	1	VArh	uint32	R/E
Phase 2 Capacitive Energy Generator(Consumption)	1480	1	VArh	uint32	R/E
Phase 2 Active Energy Generator(Generation)	1482	1	Wh	uint32	R/E
Phase 2 Inductive Energy Generator(Generation)	1484	1	VArh	uint32	R/E
Phase 2 Capacitive Energy Generator(Generation)	1486	1	VArh	uint32	R/E
Phase 3 Active Energy Generator(Consumption)	1488	1	Wh	uint32	R/E
Phase 3 Inductive Energy Generator(Consumption)	1490	1	VArh	uint32	R/E
Phase 3 Capacitive Energy Generator(Consumption)	1492	1	VArh	uint32	R/E
Phase 3 Active Energy Generator(Generation)	1494	1	Wh	uint32	R/E
Phase 3 Inductive Energy Generator(Generation)	1496	1	VArh	uint32	R/E

Phase 3 Capacitive Energy Generator(Generation)	1498	1	VArh	uint32	R/E
Steps					
Phase 1 Total Online Step Power	2024	1	VAr	int16	R
Phase 1 Total Online Step Power	2025	1	VAr	int16	R
Phase 3 Total Online Step Power	2026	1	VAr	int16	R
Phase 1 Total Load Power	2027	1	VAr	int16	R
Phase 2 Total Load Power	2028	1	VAr	int16	R
Phase 3 Total Load Power	2029	1	VAr	int16	R
Serial Number	2030	1	-	32 bit Long	R
Current Transformer Ratio	2032	1	-	16 bit Long	R
Line Voltage Multiply	2033	1	-	16 bit Long	R
Divide Measurement Voltage	2034	1	-	16 bit Long	R
Device Status	2035	1	-	16 bit Long	R
Device Step Count **	2036	1	-	16 bit Long	R
Step Statuses***	2037	1	-	32 bit Long	R
Step Learning Status ***	2039	1	-	32 bit Long	R
Faulty Step Status ***	2041	1	-	32 bit Long	R
Step Cancellation Status ***	2043	1	-	32 bit Long	R
Step Manual/Auto ***	2045	1	-	32 bit Long	R
Step Discharge Status ***	2047	1	-	32 bit Long	R
Step 1 Power L1	2049	1	VAr	int16	R
Step 1 Power L2	2050	1	VAr	int16	R
Step 1 Power L3	2051	1	VAr	int16	R
Step 1 Operating Time	2052	1	Second	int32	R
Step 1 Switching Count	2054	1	-	int32	R
Step 2 Power L1	2056	1	VAr	int16	R
Step 2 Power L2	2057	1	VAr	int16	R
Step 2 Power L3	2058	1	VAr	int16	R
Step 2 Operating Time	2059	1	Second	int32	R
Step 2 Switching Count	2061	1	-	int32	R
Step 3 Power L1	2063	1	VAr	int16	R
Step 3 Power L2	2064	1	VAr	int16	R
Step 3 Power L3	2065	1	VAr	int16	R
Step 3 Operating Time	2066	1	Second	int32	R
Step 3 Switching Count	2068	1	-	int32	R
Step 4 Power L1	2070	1	VAr	int16	R
Step 4 Power L2	2071	1	VAr	int16	R
Step 4 Power L3	2072	1	VAr	int16	R
Step 4 Operating Time	2073	1	Second	int32	R
Step 4 Switching Count	2075	1	-	int32	R
Step 5 Power L1	2077	1	VAr	int16	R

Step 5 Power L2	2078	1	VAr	int16	R
Step 5 Power L3	2079	1	VAr	int16	R
Step 5 Operating Time	2080	1	Second	int32	R
Step 5 Switching Count	2082	1	-	int32	R
Step 6 Power L1	2084	1	VAr	int16	R
Step 6 Power L2	2085	1	VAr	int16	R
Step 6 Power L3	2086	1	VAr	int16	R
Step 6 Operating Time	2087	1	Second	int32	R
Step 6 Switching Count	2089	1	-	int32	R
Step 7 Power L1	2091	1	VAr	int16	R
Step 7 Power L2	2092	1	VAr	int16	R
Step 7 Power L3	2093	1	VAr	int16	R
Step 7 Operating Time	2094	1	Second	int32	R
Step 7 Switching Count	2096	1	-	int32	R
Step 8 Power L1	2098	1	VAr	int16	R
Step 8 Power L2	2099	1	VAr	int16	R
Step 8 Power L3	2100	1	VAr	int16	R
Step 8 Operating Time	2101	1	Second	int32	R
Step 8 Switching Count	2103	1	-	int32	R
Step 9 Power L1	2105	1	VAr	int16	R
Step 9 Power L2	2106	1	VAr	int16	R
Step 9 Power L3	2107	1	VAr	int16	R
Step 9 Operating Time	2108	1	Second	int32	R
Step 9 Switching Count	2110	1	-	int32	R
Step 10 Power L1	2112	1	VAr	int16	R
Step 10 Power L2	2113	1	VAr	int16	R
Step 10 Power L3	2114	1	VAr	int16	R
Step 10 Operating Time	2115	1	Second	int32	R
Step 10 Switching Count	2117	1	-	int32	R
Step 11 Power L1	2119	1	VAr	int16	R
Step 11 Power L2	2120	1	VAr	int16	R
Step 11 Power L3	2121	1	VAr	int16	R
Step 11 Operating Time	2122	1	Second	int32	R
Step 11 Switching Count	2124	1	-	int32	R
Step 12 Power L1	2126	1	VAr	int16	R
Step 12 Power L2	2127	1	VAr	int16	R
Step 12 Power L3	2128	1	VAr	int16	R
Step 12 Operating Time	2129	1	Second	int32	R
Step 12 Switching Count	2131	1	-	int32	R
Step 13 Power L1	2133	1	VAr	int16	R
Step 13 Power L2	2134	1	VAr	int16	R

Step 13 Power L3	2135	1	VAr	int16	R
Step 13 Operating Time	2136	1	Second	int32	R
Step 13 Switching Count	2138	1	-	int32	R
Step 14 Power L1	2140	1	VAr	int16	R
Step 14 Power L2	2141	1	VAr	int16	R
Step 14 Power L3	2142	1	VAr	int16	R
Step 14 Operating Time	2143	1	Second	int32	R
Step 14 Switching Count	2145	1	-	int32	R
Step 15 Power L1	2147	1	VAr	int16	R
Step 15 Power L2	2148	1	VAr	int16	R
Step 15 Power L3	2149	1	VAr	int16	R
Step 15 Operating Time	2150	1	Second	int32	R
Step 15 Switching Count	2152	1	-	int32	R
Step 16 Power L1	2154	1	VAr	int16	R
Step 16 Power L2	2155	1	VAr	int16	R
Step 16 Power L3	2156	1	VAr	int16	R
Step 16 Operating Time	2157	1	Second	int32	R
Step 16 Switching Count	2159	1	-	int32	R
Step 17 Power L1	2161	1	VAr	int16	R
Step 17 Power L2	2162	1	VAr	int16	R
Step 17 Power L3	2163	1	VAr	int16	R
Step 17 Operating Time	2164	1	Second	int32	R
Step 17 Switching Count	2166	1	-	int32	R
Step 18 Power L1	2168	1	VAr	int16	R
Step 18 Power L2	2169	1	VAr	int16	R
Step 18 Power L3	2170	1	VAr	int16	R
Step 18 Operating Time	2171	1	Second	int32	R
Step 18 Switching Count	2173	1	-	int32	R
Step 19 Power L1	2175	1	VAr	int16	R
Step 19 Power L2	2176	1	VAr	int16	R
Step 19 Power L3	2177	1	VAr	int16	R
Step 19 Operating Time	2178	1	Second	int32	R
Step 19 Switching Count	2180	1	-	int32	R
Step 20 Power L1	2182	1	VAr	int16	R
Step 20 Power L2	2183	1	VAr	int16	R
Step 20 Power L3	2184	1	VAr	int16	R
Step 20 Operating Time	2185	1	Second	int32	R
Step 20 Switching Count	2187	1	-	int32	R
Step 21 Power L1	2189	1	VAr	int16	R
Step 21 Power L2	2190	1	VAr	int16	R
Step 21 Power L3	2191	1	VAr	int16	R

Step 21 Operating Time	2192	1	Second	int32	R
Step 21 Switching Count	2194	1	-	int32	R
Step 22 Power L2	2196	1	VAr	int16	R
Step 22 Power L2	2197	1	VAr	int16	R
Step 22 Power L3	2198	1	VAr	int16	R
Step 22 Operating Time	2199	1	Second	int32	R
Step 22 Switching Count	2201	1	-	int32	R
Step 23 Power L1	2203	1	VAr	int16	R
Step 23 Power L2	2204	1	VAr	int16	R
Step 23 Power L3	2205	1	VAr	int16	R
Step 23 Operating Time	2206	1	Second	int32	R
Step 23 Switching Count	2208	1	-	int32	R
Step 24 Power L1	2210	1	VAr	int16	R
Step 24 Power L2	2211	1	VAr	int16	R
Step 24 Power L3	2212	1	VAr	int16	R
Step 24 Operating Time	2213	1	Second	int32	R
Step 24 Switching Count	2215	1	-	int32	R
Step 25 Power L1	2217	1	VAr	int16	R
Step 25 Power L2	2218	1	VAr	int16	R
Step 25 Power L3	2219	1	VAr	int16	R
Step 25 Operating Time	2220	1	Second	int32	R
Step 25 Switching Count	2222	1	-	int32	R
Step 26 Power L1	2224	1	VAr	int16	R
Step 26 Power L2	2225	1	VAr	int16	R
Step 26 Power L3	2226	1	VAr	int16	R
Step 26 Operating Time	2227	1	Second	int32	R
Step 26 Switching Count	2229	1	-	int32	R
Step 27 Power L1	2231	1	VAr	int16	R
Step 27 Power L2	2232	1	VAr	int16	R
Step 27 Power L3	2233	1	VAr	int16	R
Step 27 Operating Time	2234	1	Second	int32	R
Step 27 Switching Count	2236	1	-	int32	R
Step 28 Power L1	2238	1	VAr	int16	R
Step 28 Power L2	2239	1	VAr	int16	R
Step 28 Power L3	2240	1	VAr	int16	R
Step 28 Operating Time	2241	1	Second	int32	R
Step 28 Switching Count	2243	1	-	int32	R
Step 29 Power L1	2245	1	VAr	int16	R
Step 29 Power L2	2246	1	VAr	int16	R
Step 29 Power L3	2247	1	VAr	int16	R
Step 29 Operating Time	2248	1	Second	int32	R

Step 29 Switching Count	2250	1	-	int32	R
Step 30 Power L1	2252	1	VAr	int16	R
Step 30 Power L2	2253	1	VAr	int16	R
Step 30 Power L3	2254	1	VAr	int16	R
Step 30 Operating Time	2255	1	Second	int32	R
Step 30 Switching Count	2257	1	-	int32	R
Step 31 Power L1	2259	1	VAr	int16	R
Step 31 Power L2	2260	1	VAr	int16	R
Step 31 Power L3	2261	1	VAr	int16	R
Step 31 Operating Time	2262	1	Second	int32	R
Step 31 Switching Count	2264	1	-	int32	R
Step 32 Power L1	2266	1	VAr	int16	R
Step 32 Power L2	2267	1	VAr	int16	R
Step 32 Power L3	2268	1	VAr	int16	R
Step 32 Operating Time	2269	1	Second	int32	R
Step 32 Switching Count	2271	1	-	int32	R
Power Flow Profile					
GAP Duration Count	3002	1	-	int16	R
GAP Current Percent	3003	0,1	-	int16	R
GAP Current Q1	3004	1	-	int16	R
GAP Current Q2	3005	1	-	int16	R
GAP Current Q3	3006	1	-	int16	R
GAP 1 Duration	3007	0,1	-	int16	R
GAP 1 Q1	3008	1	-	int16	R
GAP 1 Q2	3009	1	-	int16	R
GAP 1 Q3	3010	1	-	int16	R
GAP 2 Duration	3011	0,1	-	int16	R
GAP 2 Q1	3012	1	-	int16	R
GAP 2 Q2	3013	1	-	int16	R
GAP 2 Q3	3014	1	-	int16	R
GAP 3 Duration	3015	0,1	-	int16	R
GAP 3 Q1	3016	1	-	int16	R
GAP 3 Q2	3017	1	-	int16	R
GAP 3 Q3	3018	1	-	int16	R
GAP 4 Duration	3019	0,1	-	int16	R
GAP 4 Q1	3020	1	-	int16	R
GAP 4 Q2	3021	1	-	int16	R
GAP 4 Q3	3022	1	-	int16	R
GAP 5 Duration	3023	0,1	-	int16	R
GAP 5 Q1	3024	1	-	int16	R

GAP 5 Q2	3025	1	-	int16	R
GAP 5 Q3	3026	1	-	int16	R
GAP 6 Duration	3027	0,1	-	int16	R
GAP 6 Q1	3028	1	-	int16	R
GAP 6 Q2	3029	1	-	int16	R
GAP 6 Q3	3030	1	-	int16	R
GAP 7 Duration	3031	0,1	-	int16	R
GAP 7 Q1	3032	1	-	int16	R
GAP 7 Q2	3033	1	-	int16	R
GAP 7 Q3	3034	1	-	int16	R
GAP 8 Duration	3035	0,1	-	int16	R
GAP 8 Q1	3036	1	-	int16	R
GAP 8 Q2	3037	1	-	int16	R
GAP 8 Q3	3038	1	-	int16	R
GAP 9 Duration	3039	0,1	-	int16	R
GAP 9 Q1	3040	1	-	int16	R
GAP 9 Q2	3041	1	-	int16	R
GAP 9 Q3	3042	1	-	int16	R
GAP 10 Duration	3043	0,1	-	int16	R
GAP 10 Q1	3044	1	-	int16	R
GAP 10 Q2	3045	1	-	int16	R
GAP 10 Q3	3046	1	-	int16	R
GAP 11 Duration	3047	0,1	-	int16	R
GAP 11 Q1	3048	1	-	int16	R
GAP 11 Q2	3049	1	-	int16	R
GAP 11 Q3	3050	1	-	int16	R
GAP 12 Duration	3051	0,1	-	int16	R
GAP 12 Q1	3052	1	-	int16	R
GAP 12 Q2	3053	1	-	int16	R
GAP 12 Q3	3054	1	-	int16	R
GAP 13 Duration	3055	0,1	-	int16	R
GAP 13 Q1	3056	1	-	int16	R
GAP 13 Q2	3057	1	-	int16	R
GAP 13 Q3	3058	1	-	int16	R
GAP 14 Duration	3059	0,1	-	int16	R
GAP 14 Q1	3060	1	-	int16	R
GAP 14 Q2	3061	1	-	int16	R
GAP 14 Q3	3062	1	-	int16	R
GAP 15 Duration	3063	0,1	-	int16	R
GAP 15 Q1	3064	1	-	int16	R
GAP 15 Q2	3065	1	-	int16	R

GAP 15 Q3	3066	1	-	int16	R
GAP 16 Duration	3067	0,1	-	int16	R
GAP 16 Q1	3068	1	-	int16	R
GAP 16 Q2	3069	1	-	int16	R
GAP 16 Q3	3070	1	-	int16	R
GAP 17 Duration	3071	0,1	-	int16	R
GAP 17 Q1	3072	1	-	int16	R
GAP 17 Q2	3073	1	-	int16	R
GAP 17 Q3	3074	1	-	int16	R
GAP 18 Duration	3075	0,1	-	int16	R
GAP 18 Q1	3076	1	-	int16	R
GAP 18 Q2	3077	1	-	int16	R
GAP 18 Q3	3078	1	-	int16	R
GAP 19 Duration	3079	0,1	-	int16	R
GAP 19 Q1	3080	1	-	int16	R
GAP 19 Q2	3081	1	-	int16	R
GAP 19 Q3	3082	1	-	int16	R
GAP 20 Duration	3083	0,1	-	int16	R
GAP 20 Q1	3084	1	-	int16	R
GAP 20 Q2	3085	1	-	int16	R
GAP 20 Q3	3086	1	-	int16	R
GAP Counter	3502	1	-	int16	R
GAP Current Percent	3503	0,1	-	int16	R
GAP Current Q1	3504	1	-	int16	R
GAP Current Q2	3505	1	-	int16	R
GAP Current Q3	3506	1	-	int16	R
GAP 1 Endüktif	3507	0,1	-	int16	R
GAP 1 Q1	3008	1	-	int16	R
GAP 1 Q2	3009	1	-	int16	R
GAP 1 Q3	3010	1	-	int16	R
GAP 2 Inductive	3011	0,1	-	int16	R
GAP 2 Q1	3012	1	-	int16	R
GAP 2 Q2	3013	1	-	int16	R
GAP 2 Q3	3014	1	-	int16	R
GAP 3 Inductive	3015	0,1	-	int16	R
GAP 3 Q1	3016	1	-	int16	R
GAP 3 Q2	3017	1	-	int16	R
GAP 3 Q3	3018	1	-	int16	R
GAP 4 Inductive	3019	0,1	-	int16	R
GAP 4 Q1	3020	1	-	int16	R

GAP 4 Q2	3021	1	-	int16	R
GAP 4 Q3	3022	1	-	int16	R
GAP 5 Inductive	3023	0,1	-	int16	R
GAP 5 Q1	3024	1	-	int16	R
GAP 5 Q2	3025	1	-	int16	R
GAP 5 Q3	3026	1	-	int16	R
GAP 6 Inductive	3027	0,1	-	int16	R
GAP 6 Q1	3028	1	-	int16	R
GAP 6 Q2	3029	1	-	int16	R
GAP 6 Q3	3030	1	-	int16	R
GAP 7 Inductive	3031	0,1	-	int16	R
GAP 7 Q1	3032	1	-	int16	R
GAP 7 Q2	3033	1	-	int16	R
GAP 7 Q3	3034	1	-	int16	R
GAP 8 Inductive	3035	0,1	-	int16	R
GAP 8 Q1	3036	1	-	int16	R
GAP 8 Q2	3037	1	-	int16	R
GAP 8 Q3	3038	1	-	int16	R
GAP 9 Inductive	3039	0,1	-	int16	R
GAP 9 Q1	3040	1	-	int16	R
GAP 9 Q2	3041	1	-	int16	R
GAP 9 Q3	3042	1	-	int16	R
GAP 10 Inductive	3043	0,1	-	int16	R
GAP 10 Q1	3044	1	-	int16	R
GAP 10 Q2	3045	1	-	int16	R
GAP 10 Q3	3046	1	-	int16	R
GAP 11 Inductive	3047	0,1	-	int16	R
GAP 11 Q1	3048	1	-	int16	R
GAP 11 Q2	3049	1	-	int16	R
GAP 11 Q3	3050	1	-	int16	R
GAP 12 Inductive	3051	0,1	-	int16	R
GAP 12 Q1	3052	1	-	int16	R
GAP 12 Q2	3053	1	-	int16	R
GAP 12 Q3	3054	1	-	int16	R
GAP 13 Inductive	3055	0,1	-	int16	R
GAP 13 Q1	3056	1	-	int16	R
GAP 13 Q2	3057	1	-	int16	R
GAP 13 Q3	3058	1	-	int16	R
GAP 14 Inductive	3059	0,1	-	int16	R
GAP 14 Q1	3060	1	-	int16	R
GAP 14 Q2	3061	1	-	int16	R

GAP 14 Q3	3062	1	-	int16	R
GAP 15 Inductive	3063	0,1	-	int16	R
GAP 15 Q1	3064	1	-	int16	R
GAP 15 Q2	3065	1	-	int16	R
GAP 15 Q3	3066	1	-	int16	R
GAP 16 Inductive	3067	0,1	-	int16	R
GAP 16 Q1	3068	1	-	int16	R
GAP 16 Q2	3069	1	-	int16	R
GAP 16 Q3	3070	1	-	int16	R
GAP 17 Inductive	3071	0,1	-	int16	R
GAP 17 Q1	3072	1	-	int16	R
GAP 17 Q2	3073	1	-	int16	R
GAP 17 Q3	3074	1	-	int16	R
GAP 18 Inductive	3075	0,1	-	int16	R
GAP 18 Q1	3076	1	-	int16	R
GAP 18 Q2	3077	1	-	int16	R
GAP 18 Q3	3078	1	-	int16	R
GAP 19 Inductive	3079	0,1	-	int16	R
GAP 19 Q1	3080	1	-	int16	R
GAP 19 Q2	3081	1	-	int16	R
GAP 19 Q3	3082	1	-	int16	R
GAP 20 Inductive	3083	0,1	-	int16	R
GAP 20 Q1	3084	1	-	int16	R
GAP 20 Q2	3085	1	-	int16	R
GAP 20 Q3	3086	1	-	int16	R
GAP Counter	4002	1	-	int16	R
GAP Current Percent	4003	0,1	-	int16	R
GAP Current Q1	4004	1	-	int16	R
GAP Current Q2	4005	1	-	int16	R
GAP Current Q3	4006	1	-	int16	R
GAP 1 Capacitive	4007	0,1	-	int16	R
GAP 1 Q1	4008	1	-	int16	R
GAP 1 Q2	4009	1	-	int16	R
GAP 1 Q3	4010	1	-	int16	R
GAP 2 Capacitive	4011	0,1	-	int16	R
GAP 2 Q1	4012	1	-	int16	R
GAP 2 Q2	4013	1	-	int16	R
GAP 2 Q3	4014	1	-	int16	R
GAP 3 Capacitive	4015	0,1	-	int16	R
GAP 3 Q1	4016	1	-	int16	R

GAP 3 Q2	4017	1	-	int16	R
GAP 3 Q3	4018	1	-	int16	R
GAP 4 Capacitive	4019	0,1	-	int16	R
GAP 4 Q1	4020	1	-	int16	R
GAP 4 Q2	4021	1	-	int16	R
GAP 4 Q3	4022	1	-	int16	R
GAP 5 Capacitive	4023	0,1	-	int16	R
GAP 5 Q1	4024	1	-	int16	R
GAP 5 Q2	4025	1	-	int16	R
GAP 5 Q3	4026	1	-	int16	R
GAP 6 Capacitive	4027	0,1	-	int16	R
GAP 6 Q1	4028	1	-	int16	R
GAP 6 Q2	4029	1	-	int16	R
GAP 6 Q3	4030	1	-	int16	R
GAP 7 Capacitive	4031	0,1	-	int16	R
GAP 7 Q1	4032	1	-	int16	R
GAP 7 Q2	4033	1	-	int16	R
GAP 7 Q3	4034	1	-	int16	R
GAP 8 Capacitive	4035	0,1	-	int16	R
GAP 8 Q1	4036	1	-	int16	R
GAP 8 Q2	4037	1	-	int16	R
GAP 8 Q3	4038	1	-	int16	R
GAP 9 Capacitive	4039	0,1	-	int16	R
GAP 9 Q1	4040	1	-	int16	R
GAP 9 Q2	4041	1	-	int16	R
GAP 9 Q3	4042	1	-	int16	R
GAP 10 Capacitive	4043	0,1	-	int16	R
GAP 10 Q1	4044	1	-	int16	R
GAP 10 Q2	4045	1	-	int16	R
GAP 10 Q3	4046	1	-	int16	R
GAP 11 Capacitive	4047	0,1	-	int16	R
GAP 11 Q1	4048	1	-	int16	R
GAP 11 Q2	4049	1	-	int16	R
GAP 11 Q3	4050	1	-	int16	R
GAP 12 Capacitive	4051	0,1	-	int16	R
GAP 12 Q1	4052	1	-	int16	R
GAP 12 Q2	4053	1	-	int16	R
GAP 12 Q3	4054	1	-	int16	R
GAP 13 Capacitive	4055	0,1	-	int16	R
GAP 13 Q1	4056	1	-	int16	R
GAP 13 Q2	4057	1	-	int16	R

GAP 13 Q3	4058	1	-	int16	R
GAP 14 Capacitive	4059	0,1	-	int16	R
GAP 14 Q1	4060	1	-	int16	R
GAP 14 Q2	4061	1	-	int16	R
GAP 14 Q3	4062	1	-	int16	R
GAP 15 Capacitive	4063	0,1	-	int16	R
GAP 15 Q1	4064	1	-	int16	R
GAP 15 Q2	4065	1	-	int16	R
GAP 15 Q3	4066	1	-	int16	R
GAP 16 Capacitive	4067	0,1	-	int16	R
GAP 16 Q1	4068	1	-	int16	R
GAP 16 Q2	4069	1	-	int16	R
GAP 16 Q3	4070	1	-	int16	R
GAP 17 Capacitive	4071	0,1	-	int16	R
GAP 17 Q1	4072	1	-	int16	R
GAP 17 Q2	4073	1	-	int16	R
GAP 17 Q3	4074	1	-	int16	R
GAP 18 Capacitive	4075	0,1	-	int16	R
GAP 18 Q1	4076	1	-	int16	R
GAP 18 Q2	4077	1	-	int16	R
GAP 18 Q3	4078	1	-	int16	R
GAP 19 Capacitive	4079	0,1	-	int16	R
GAP 19 Q1	4080	1	-	int16	R
GAP 19 Q2	4081	1	-	int16	R
GAP 19 Q3	4082	1	-	int16	R
GAP 20 Capacitive	4083	0,1	-	int16	R
GAP 20 Q1	4084	1	-	int16	R
GAP 20 Q2	4085	1	-	int16	R
GAP 20 Q3	4086	1	-	int16	R
GAP Counter	4502	1	-	int16	R
GAP Current Percent	4503	0,1	-	int16	R
GAP Current Q1	4504	1	-	int16	R
GAP Current Q2	4505	1	-	int16	R
GAP CurrentQ3	4506	1	-	int16	R
GAP 1 Energy	4507	0,1	-	int16	R
GAP 1 Q1	4508	1	-	int16	R
GAP 1 Q2	4509	1	-	int16	R
GAP 1 Q3	4510	1	-	int16	R
GAP 2 Energy	4511	0,1	-	int16	R
GAP 2 Q1	4512	1	-	int16	R

GAP 2 Q2	4513	1	-	int16	R
GAP 2 Q3	4514	1	-	int16	R
GAP 3 Energy	4515	0,1	-	int16	R
GAP 3 Q1	4516	1	-	int16	R
GAP 3 Q2	4517	1	-	int16	R
GAP 3 Q3	4518	1	-	int16	R
GAP 4 Energy	4519	0,1	-	int16	R
GAP 4 Q1	4520	1	-	int16	R
GAP 4 Q2	4521	1	-	int16	R
GAP 4 Q3	4522	1	-	int16	R
GAP 5 Energy	4523	0,1	-	int16	R
GAP 5 Q1	4524	1	-	int16	R
GAP 5 Q2	4525	1	-	int16	R
GAP 5 Q3	4526	1	-	int16	R
GAP 6 Energy	4527	0,1	-	int16	R
GAP 6 Q1	4528	1	-	int16	R
GAP 6 Q2	4529	1	-	int16	R
GAP 6 Q3	4530	1	-	int16	R
GAP 7 Energy	4531	0,1	-	int16	R
GAP 7 Q1	4532	1	-	int16	R
GAP 7 Q2	4533	1	-	int16	R
GAP 7 Q3	4534	1	-	int16	R
GAP 8 Energy	4535	0,1	-	int16	R
GAP 8 Q1	4536	1	-	int16	R
GAP 8 Q2	4537	1	-	int16	R
GAP 8 Q3	4538	1	-	int16	R
GAP 9 Energy	4539	0,1	-	int16	R
GAP 9 Q1	4540	1	-	int16	R
GAP 9 Q2	4541	1	-	int16	R
GAP 9 Q3	4542	1	-	int16	R
GAP 10 Energy	4543	0,1	-	int16	R
GAP 10 Q1	4544	1	-	int16	R
GAP 10 Q2	4545	1	-	int16	R
GAP 10 Q3	4546	1	-	int16	R
GAP 11 Energy	4547	0,1	-	int16	R
GAP 11 Q1	4548	1	-	int16	R
GAP 11 Q2	4549	1	-	int16	R
GAP 11 Q3	4550	1	-	int16	R
GAP 12 Energy	4551	0,1	-	int16	R
GAP 12 Q1	4552	1	-	int16	R
GAP 12 Q2	4553	1	-	int16	R

GAP 12 Q3	4554	1	-	int16	R
GAP 13 Energy	4555	0,1	-	int16	R
GAP 13 Q1	4556	1	-	int16	R
GAP 13 Q2	4557	1	-	int16	R
GAP 13 Q3	4558	1	-	int16	R
GAP 14 Energy	4559	0,1	-	int16	R
GAP 14 Q1	4560	1	-	int16	R
GAP 14 Q2	4561	1	-	int16	R
GAP 14 Q3	4562	1	-	int16	R
GAP 15 Energy	4563	0,1	-	int16	R
GAP 15 Q1	4564	1	-	int16	R
GAP 15 Q2	4565	1	-	int16	R
GAP 15 Q3	4566	1	-	int16	R
GAP 16 Energy	4567	0,1	-	int16	R
GAP 16 Q1	4568	1	-	int16	R
GAP 16 Q2	4569	1	-	int16	R
GAP 16 Q3	4570	1	-	int16	R
GAP 17 Energy	4571	0,1	-	int16	R
GAP 17 Q1	4572	1	-	int16	R
GAP 17 Q2	4573	1	-	int16	R
GAP 17 Q3	4574	1	-	int16	R
GAP 18 Energy	4575	0,1	-	int16	R
GAP 18 Q1	4576	1	-	int16	R
GAP 18 Q2	4577	1	-	int16	R
GAP 18 Q3	4578	1	-	int16	R
GAP 19 Energy	4579	0,1	-	int16	R
GAP 19 Q1	4580	1	-	int16	R
GAP 19 Q2	4581	1	-	int16	R
GAP 19 Q3	4582	1	-	int16	R
GAP 20 Energy	4583	0,1	-	int16	R
GAP 20 Q1	4584	1	-	int16	R
GAP 20 Q2	4585	1	-	int16	R
GAP 20 Q3	4586	1	-	int16	R
GAP Counter	5002	1	-	int16	R
GAP Current Percent	5003	0,1	-	int16	R
GAP Current Q1	5004	1	-	int16	R
GAP Current Q2	5005	1	-	int16	R
GAP Current Q3	5006	1	-	int16	R
GAP 1 Ratio	5007	0,1	-	int16	R
GAP 1 Q1	5008	1	-	int16	R

GAP 1 Q2	5009	1	-	int16	R
GAP 1 Q3	5010	1	-	int16	R
GAP 2 Ratio	5011	0,1	-	int16	R
GAP 2 Q1	5012	1	-	int16	R
GAP 2 Q2	5013	1	-	int16	R
GAP 2 Q3	5014	1	-	int16	R
GAP 3 Ratio	5015	0,1	-	int16	R
GAP 3 Q1	5016	1	-	int16	R
GAP 3 Q2	5017	1	-	int16	R
GAP 3 Q3	5018	1	-	int16	R
GAP 4 Ratio	5019	0,1	-	int16	R
GAP 4 Q1	5020	1	-	int16	R
GAP 4 Q2	5021	1	-	int16	R
GAP 4 Q3	5022	1	-	int16	R
GAP 5 Ratio	5023	0,1	-	int16	R
GAP 5 Q1	5024	1	-	int16	R
GAP 5 Q2	5025	1	-	int16	R
GAP 5 Q3	5026	1	-	int16	R
GAP 6 Ratio	5027	0,1	-	int16	R
GAP 6 Q1	5028	1	-	int16	R
GAP 6 Q2	5029	1	-	int16	R
GAP 6 Q3	5030	1	-	int16	R
GAP 7 Ratio	5031	0,1	-	int16	R
GAP 7 Q1	5032	1	-	int16	R
GAP 7 Q2	5033	1	-	int16	R
GAP 7 Q3	5034	1	-	int16	R
GAP 8 Ratio	5035	0,1	-	int16	R
GAP 8 Q1	5036	1	-	int16	R
GAP 8 Q2	5037	1	-	int16	R
GAP 8 Q3	5038	1	-	int16	R
GAP 9 Ratio	5039	0,1	-	int16	R
GAP 9 Q1	5040	1	-	int16	R
GAP 9 Q2	5041	1	-	int16	R
GAP 9 Q3	5042	1	-	int16	R
GAP 10 Ratio	5043	0,1	-	int16	R
GAP 10 Q1	5044	1	-	int16	R
GAP 10 Q2	5045	1	-	int16	R
GAP 10 Q3	5046	1	-	int16	R
GAP 11 Ratio	5047	0,1	-	int16	R
GAP 11 Q1	5048	1	-	int16	R
GAP 11 Q2	5049	1	-	int16	R

GAP 11 Q3	5050	1	-	int16	R
GAP 12 Ratio	5051	0,1	-	int16	R
GAP 12 Q1	5052	1	-	int16	R
GAP 12 Q2	5053	1	-	int16	R
GAP 12 Q3	5054	1	-	int16	R
GAP 13 Ratio	5055	0,1	-	int16	R
GAP 13 Q1	5056	1	-	int16	R
GAP 13 Q2	5057	1	-	int16	R
GAP 13 Q3	5058	1	-	int16	R
GAP 14 Ratio	5059	0,1	-	int16	R
GAP 14 Q1	5060	1	-	int16	R
GAP 14 Q2	5061	1	-	int16	R
GAP 14 Q3	5062	1	-	int16	R
GAP 15 Ratio	5063	0,1	-	int16	R
GAP 15 Q1	5064	1	-	int16	R
GAP 15 Q2	5065	1	-	int16	R
GAP 15 Q3	5066	1	-	int16	R
GAP 16 Ratio	5067	0,1	-	int16	R
GAP 16 Q1	5068	1	-	int16	R
GAP 16 Q2	5069	1	-	int16	R
GAP 16 Q3	5070	1	-	int16	R
GAP 17 Ratio	5071	0,1	-	int16	R
GAP 17 Q1	5072	1	-	int16	R
GAP 17 Q2	5073	1	-	int16	R
GAP 17 Q3	5074	1	-	int16	R
GAP 18 Ratio	5075	0,1	-	int16	R
GAP 18 Q1	5076	1	-	int16	R
GAP 18 Q2	5077	1	-	int16	R
GAP 18 Q3	5078	1	-	int16	R
GAP 19 Ratio	5079	0,1	-	int16	R
GAP 19 Q1	5080	1	-	int16	R
GAP 19 Q2	5081	1	-	int16	R
GAP 19 Q3	5082	1	-	int16	R
GAP 20 Ratio	5083	0,1	-	int16	R
GAP 20 Q1	5084	1	-	int16	R
GAP 20 Q2	5085	1	-	int16	R
GAP 20 Q3	5086	1	-	int16	R
Various Alarm and Warning States					
Serial Number	5998	1	-	32 bit Long	R
Step 1 Added	6000	U.101		uint16	R

Step 2 Added	6001	U.102		uint16	R
Step 3 Added	6002	U.103		uint16	R
Step 4 Added	6003	U.104		uint16	R
Step 5 Added	6004	U.105		uint16	R
Step 6 Added	6005	U.106		uint16	R
Step 7 Added	6006	U.107		uint16	R
Step 8 Added	6007	U.108		uint16	R
Step 9 Added	6008	U.109		uint16	R
Step 10 Added	6009	U.110		uint16	R
Step 11 Added	6010	U.111		uint16	R
Step 12 Added	6011	U.112		uint16	R
Step 13 Added	6012	U.113		uint16	R
Step 14 Added	6013	U.114		uint16	R
Step 15 Added	6014	U.115		uint16	R
Step 16 Added	6015	U.116		uint16	R
Step 17 Added	6016	U.117		uint16	R
Step 18 Added	6017	U.118		uint16	R
Step 19 Added	6018	U.119		uint16	R
Step 20 Added	6019	U.120		uint16	R
Step 21 Added	6020	U.121		uint16	R
Step 22 Added	6021	U.122		uint16	R
Step 23 Added	6022	U.123		uint16	R
Step 24 Added	6023	U.124		uint16	R
Step 25 Added	6024	U.125		uint16	R
Step 26 Added	6025	U.126		uint16	R
Step 27 Added	6026	U.127		uint16	R
Step 28 Added	6027	U.128		uint16	R
Phase 1 Lost	6028	U.001		uint16	R
Phase 2 Lost	6029	U.002		uint16	R
Phase 3 Lost	6030	U.003		uint16	R
Phase 1 Weak	6031	U.011		uint16	R
Phase 2 Weak	6032	U.012		uint16	R
Phase 3 Weak	6033	U.013		uint16	R
No Phase Terminal	6034	U.020		uint16	R
Phase 1 Zero Voltage	6035	U.021		uint16	R
Phase 2 Zero Voltage	6036	U.022		uint16	R
Phase 3 Zero Voltage	6037	U.023		uint16	R
SVC Phase Changed	6038	U.030		uint16	R
SVC Phase Correction	6039	U.031		uint16	R
Setup Started	6040	U.041		uint16	
Step Recognition Started	6041	U.042		uint16	

All Steps Deleted	6042	U.050		uint16	
Energy Indexes Deleted	6043	U.051		uint16	R
Min - Max Values Deleted	6044	U.052		uint16	R
Demand Values Deleted	6045	U.053		uint16	R
Ratio Value Deleted	6046	U.054		uint16	R
GAP Values Deleted	6047	U.055		uint16	R
GAP Compressed	6048	U.061		uint16	R
Manual Step Entry	6049	U.071		uint16	R
Step Recognition Stopped	6050	U.072		uint16	R
Setup Stopped	6051	U.073		uint16	R
Default Settings	6052	U.074		uint16	R
Incorrect PIN Entered	6053	U.081		uint16	R
PIN Changed	6054	U.082		uint16	R
Custom PIN Entered	6055	U.083		uint16	R
Long Integration Time	6056	U.090		uint16	R
Serial Number	6198			32 bit Long	R
Step 1 Changed	6200	A.201		uint16	R
Step 2 Changed	6201	A.202		uint16	R
Step 3 Changed	6202	A.203		uint16	R
Step 4 Changed	6203	A.204		uint16	R
Step 5 Changed	6204	A.205		uint16	R
Step 6 Changed	6205	A.206		uint16	R
Step 7 Changed	6206	A.207		uint16	R
Step 8 Changed	6207	A.208		uint16	R
Step 9 Changed	6208	A.209		uint16	R
Step 10 Changed	6209	A.210		uint16	R
Step 11 Changed	6210	A.211		uint16	R
Step 12 Changed	6211	A.212		uint16	R
Step 13 Changed	6212	A.213		uint16	R
Step 14 Changed	6213	A.214		uint16	R
Step 15 Changed	6214	A.215		uint16	R
Step 16 Changed	6215	A.216		uint16	R
Step 17 Changed	6216	A.217		uint16	R
Step 18 Changed	6217	A.218		uint16	R
Step 19 Changed	6218	A.219		uint16	R
Step 20 Changed	6219	A.220		uint16	R
Step 21 Changed	6220	A.221		uint16	R
Step 22 Changed	6221	A.222		uint16	R
Step 23 Changed	6222	A.223		uint16	R
Step 24 Changed	6223	A.224		uint16	R

Step 25 Changed	6224	A.225		uint16	R
Step 26 Changed	6225	A.226		uint16	R
Step 27 Changed	6226	A.227		uint16	R
Step 28 Changed	6227	A.228		uint16	R
Step 1 Broken	6228	A.301		uint16	R
Step 2 Broken	6229	A.302		uint16	R
Step 3 Broken	6230	A.303		uint16	R
Step 4 Broken	6231	A.304		uint16	R
Step 5 Broken	6232	A.305		uint16	R
Step 6 Broken	6233	A.306		uint16	R
Step 7 Broken	6234	A.307		uint16	R
Step 8 Broken	6235	A.308		uint16	R
Step 9 Broken	6236	A.309		uint16	R
Step 10 Broken	6237	A.310		uint16	R
Step 11 Broken	6238	A.311		uint16	R
Step 12 Broken	6239	A.312		uint16	R
Step 13 Broken	6240	A.313		uint16	R
Step 14 Broken	6241	A.314		uint16	R
Step 15 Broken	6242	A.315		uint16	R
Step 16 Broken	6243	A.316		uint16	R
Step 17 Broken	6244	A.317		uint16	R
Step 18 Broken	6245	A.318		uint16	R
Step 19 Broken	6246	A.319		uint16	R
Step 20 Broken	6247	A.320		uint16	R
Step 21 Broken	6248	A.321		uint16	R
Step 22 Broken	6249	A.322		uint16	R
Step 23 Broken	6250	A.323		uint16	R
Step 24 Broken	6251	A.324		uint16	R
Step 25 Broken	6252	A.325		uint16	R
Step 26 Broken	6253	A.326		uint16	R
Step 27 Broken	6254	A.327		uint16	R
Step 28 Broken	6255	A.328		uint16	R
Step 1 Imbalance	6256	A.401		uint16	R
Step 2 Imbalance	6257	A.402		uint16	R
Step 3 Imbalance	6258	A.403		uint16	R
Step 4 Imbalance	6259	A.404		uint16	R
Step 5 Imbalance	6260	A.405		uint16	R
Step 6 Imbalance	6261	A.406		uint16	R
Step 7 Imbalance	6262	A.407		uint16	R
Step 8 Imbalance	6263	A.408		uint16	R
Step 9 Imbalance	6264	A.409		uint16	R

Step 10 Imbalance	6265	A.410		uint16	R
Step 11 Imbalance	6266	A.411		uint16	R
Step 12 Imbalance	6267	A.412		uint16	R
Step 13 Imbalance	6268	A.413		uint16	R
Step 14 Imbalance	6269	A.414		uint16	R
Step 15 Imbalance	6270	A.415		uint16	R
Step 16 Imbalance	6271	A.416		uint16	R
Step 17 Imbalance	6272	A.417		uint16	R
Step 18 Imbalance	6273	A.418		uint16	R
Step 19 Imbalance	6274	A.419		uint16	R
Step 20 Imbalance	6275	A.420		uint16	R
Step 21 Imbalance	6276	A.421		uint16	R
Step 22 Imbalance	6277	A.422		uint16	R
Step 23 Imbalance	6278	A.423		uint16	R
Step 24 Imbalance	6279	A.424		uint16	R
Step 25 Imbalance	6280	A.425		uint16	R
Step 26 Imbalance	6281	A.426		uint16	R
Step 27 Imbalance	6282	A.427		uint16	R
Step 28 Imbalance	6283	A.428		uint16	R
Step Common 1 Fault	6284	A.501		uint16	R
Step Common 2 Fault	6285	A.502		uint16	R
Step Common 3 Fault	6286	A.503		uint16	R
Step Common 4 Fault	6287	A.504		uint16	R
Step Common A Fault	6288	A.505		uint16	R
Step Common B Fault	6289	A.506		uint16	R
No Step	6290	A.507		uint16	R
Step Connection Error	6291	A.508		uint16	R
Step 1 Block Fault	6292	A.510		uint16	R
Step 1 Block Phase 1 Fault	6293	A.511		uint16	R
Step 1 Block Phase 2 Fault	6294	A.512		uint16	R
Step 1 Block Phase 3 Fault	6295	A.513		uint16	R
Step 2 Block Fault	6296	A.520		uint16	R
Step 2 Block Phase 1 Fault	6297	A.521		uint16	R
Step 2 Block Phase 2 Fault	6298	A.522		uint16	R
Step 2 Block Phase 3 Fault	6299	A.523		uint16	R
Step 3 Block Fault	6300	A.530		uint16	R
Step 3 Block Phase 1 Fault	6301	A.531		uint16	R
Step 3 Block Phase 2 Fault	6302	A.532		uint16	R
Step 3 Block Phase 3 Fault	6303	A.533		uint16	R
Step 4 Block Fault	6304	A.540		uint16	R
Step 4 Block Phase 1 Fault	6305	A.541		uint16	R

Step 4 Block Phase 2 Fault	6306	A.542		uint16	R
Step 4 Block Phase 3 Fault	6307	A.543		uint16	R
Step A Block Fault	6308	A.550		uint16	R
Step A Block Phase 1 Fault	6309	A.551		uint16	R
Step A Block Phase 2 Fault	6310	A.552		uint16	R
Step A Block Phase 3 Fault	6311	A.553		uint16	R
Step B Block Fault	6312	A.560		uint16	R
Step B Block Phase 1 Fault	6313	A.561		uint16	R
Step B Block Phase 2 Fault	6314	A.562		uint16	R
Step B Block Phase 3 Fault	6315	A.563		uint16	R
Current Overflow	6316	A.600		uint16	R
Phase 1 Overcurrent	6317	A.601		uint16	R
Phase 2 Overcurrent	6318	A.602		uint16	R
Phase 3 Overcurrent	6319	A.603		uint16	R
Phase 3 Undervoltage	6320	A.611		uint16	R
Phase 2 Undervoltage	6321	A.612		uint16	R
Phase 3 Undervoltage	6322	A.613		uint16	R
Phase 1 Overvoltage	6323	A.621		uint16	R
Phase 2 Overvoltage	6324	A.622		uint16	R
Phase 3 Overvoltage	6325	A.623		uint16	R
Over-Inductive	6326	A.630		uint16	R
Over-Capacitive	6327	A.631		uint16	R
Add Capacitor	6328	A.632		uint16	R
Add Reactor	6329	A.633		uint16	R
Current Transformer Ratio Error	6330	A.634		uint16	R
Current Transformer Direction Changed	6331	A.635		uint16	R
Current Transformer Connection Error	6332	A.636		uint16	R
Voltage - Current Mismatch	6333	A.637		uint16	R
Initial Setup Stopped	6334	A.638		uint16	R
Initial Setup Canceled	6335	A.639		uint16	R
Dummy 11	6336	A.651		uint16	
Dummy 12	6337	A.652		uint16	
Dummy 13	6338	A.653		uint16	
Dummy 14	6339	A.654		uint16	
Dummy 15	6340	A.655		uint16	
Dummy 16	6341	A.656		uint16	
Dummy 17	6342	A.657		uint16	
Dummy 18	6343	A.658		uint16	
Extreme Harmonic	6344	A.700		uint16	R
Extreme Temperature	6345	A.701		uint16	R
Modbus Access Denied	6346	A.710		uint16	R

GAP Table Full	6347	A.720		uint16	R
Module Communication Error	6348	A.730		uint16	R
Module Reset	6349	A.731		uint16	R
SVC Thermic	6350	A.740		uint16	R
SVC Thermic 1	6351	A.741		uint16	R
SVC Thermic 2	6352	A.742		uint16	R
SVC Thermic 3	6353	A.743		uint16	R
SVC Missing Phase	6354	A.750		uint16	R
SVC Missing Phase 1	6355	A.751		uint16	R
SVC Missing Phase 2	6356	A.752		uint16	R
SVC Missing Phase 3	6357	A.753		uint16	R
SVC Connection Error	6358	A.760		uint16	R
System Error	6359	S.Err		uint16	R
Seri Numarası	6798			32 bit Long	R
Memory Write Reset	6800	b.rst.		uint16	R
Error Writing to Memory	6801	b.SiG.		uint16	R
Memory Security Check Error	6802	b.Crp.		uint16	R
Memory Undefined Value Error	6803	b.inv.		uint16	R
Error Writing Parameter to Memory	6804	Y.Er.1		uint16	R
Error Writing Alarm to Memory	6805	Y.Er.2		uint16	R
Error Writing Demand to Memory	6806	Y.Er.3		uint16	R
Error Writing Energy to Memory	6807	Y.Er.4		uint16	R
Error Writing GAP to Memory	6808	Y.Er.5		uint16	R
Error Writing Min-Max Value to Memory	6809	Y.Er.6		uint16	R
Error Writing Step to Memory	6810	Y.Er.7		uint16	R
Error Writing Ratio to Memory	6811	Y.Er.8		uint16	R
Error Reading Parameter from Memory	6812	o.Er.1		uint16	R
Error Reading Alarm from Memory	6813	o.Er.2		uint16	R
Error Reading Demand from Memory	6814	o.Er.3		uint16	R
Error Reading Energy from Memory	6815	o.Er.4		uint16	R
Error Reading GAP from Memory	6816	o.Er.5		uint16	R
Error Reading Min-Max Value from Memory	6817	o.Er.6		uint16	R
Error Reading Step from Memory	6818	o.Er.7		uint16	R
Error Reading Ratio from Memory	6819	o.Er.8		uint16	R
Parameter Version Mismatch Error	6820	pAr.E.		uint16	R
Unexpected Reset	6821	Ecp.r.		uint16	R
Message Buffer Full	6822	buf.F.		uint16	R
Message Insufficient Resources	6823	inf.S.		uint16	R
RTC Reading Error	6824	rtc.E.		uint16	R
Dummy 31	6825	S.871		uint16	

Dummy 32	6826	S.872		uint16	
Dummy 33	6827	S.873		uint16	
Tick Count Full	6828	tic.F.		uint16	R
Modbus Reset	6829	bus.r.		uint16	R
Device Reset	6830	CHZ.r.		uint16	R
Diagnosis Reset	6831	diA.r.		uint16	R
Communication Error Reset	6832	C.E.r.		uint16	R
Force Reset	6833	Frc.r.		uint16	R
Command Reset	6834	Cnd.r.		uint16	R
OOO Reset	6835	o.o.o.r.		uint16	R
Dummy 42	6836	S.892		uint16	
Device Specific Commands					
Device Status	9000	1		16 bit Long	R
Reset Energies	9001	1		16 bit Long	R
Reset Max Values	9002	1		16 bit Long	R
Reset Demand	9003	1		16 bit Long	R
Reset Alarm	9004	1		16 bit Long	R
Reset Gag	9005	1		16 bit Long	R
Reset Suggested Tap (Synthesis Results)	9006	1		16 bit Long	R
Smart All-Step Learning	9007	1		16 bit Long	R
Sequential All-Step Learning	9008	1		16 bit Long	R
Quick All-Step Learning	9009	1		16 bit Long	R
Single Step Learn	9011	1		16 bit Long	R
Stop Step Test	9012	1		16 bit Long	R
Start Setup	9013	1		16 bit Long	R
Finish Setup	9014	1		16 bit Long	R
Reset Step Information	9015	1		16 bit Long	R
Check Polarity	9023	1		16 bit Long	R
Factory Reset	9024	1			
Restart Device	9025	1			

Device Special Commands:
Commands are given to these registers by sending messages. A message is sent by typing OxAA55 into the Register.
* The message to be written as an exception for registers 9011 and 9015 is different from the others and is between OxAA01 and 0xAA20. The last two values of these two registers represent the steps to be controlled. For example: When OxAAOB is written to the register, this represents that a command for the 11th steps has been issued.

**

2036. Register:

HIGH								LOW							
15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0

LOW: Gives the steps Number.

Bit 8: steps 1 common status

Bit 9: steps 2 common status

Bit 10: steps 3 common status

Bit 11: steps 4 common status

- If 1, there is a common.

- If 0. there is no common.

12, 13, and 14: Meaningless

15: Returns whether the level is Common controlled.

If it's 1, there's common control.

If it's 0, there's no common control.

Example: Register 2036 was read as 0X8412. So:

HIGH								LOW							
15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
1	0	0	0	0	1	0	0	0	0	0	1	0	0	1	0

LOW: There are 18 levels

8, 9, 10, 11: 3. Steps Common Available

15: Steps Common an be controlled.

***

X. Register 2 count (32 bits) is read:

X. Register																(X+1). Register															
HIGH								LOW								HIGH								LOW							
31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0

1: Indicates that the bit is Active.

0: Indicates that the bit is Inactive.

Example: Register 2037 was read as 2 count, i.e. 32-bits, and was obtained as 0X00038008. So:

X. Register																(X+1). Register															
HIGH								LOW								HIGH								LOW							
31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0

Bits 17, 16, 15, and 3 are active. This means that these stages are active.