

MODBUS REGISTER MAP							
ADDRESS	ADDRESS (HEX)	REGISTER	R/W	RANGE	UNIT	MULTIPLIER	FORMAT
0	0000	L1 PHASE VOLTAGE	R	(0-3000)xUT	Volt	0.1	unsigned int
2	0002	L2 PHASE VOLTAGE	R	(0-3000)xUT	Volt	0.1	unsigned int
4	0004	L3 PHASE VOLTAGE	R	(0-3000)xUT	Volt	0.1	unsigned int
6	0006	L1 PHASE CURRENT	R	(0-6000)xCT	Amper	0.001	unsigned int
8	0008	L2 PHASE CURRENT	R	(0-6000)xCT	Amper	0.001	unsigned int
10	000A	L3 PHASE CURRENT	R	(0-6000)xCT	Amper	0.001	unsigned int
12	000C	NEUTRAL CURRENT	R	(0-6000)xCT	Amper	0.001	unsigned int
14	000E	L1-L2 PHASE-PHASE VOLTAGE	R	(0-5000)xUT	Volt	0.1	unsigned int
16	0010	L2-L3 PHASE-PHASE VOLTAGE	R	(0-5000)xUT	Volt	0.1	unsigned int
18	0012	L3-L1 PHASE-PHASE VOLTAGE	R	(0-5000)xUT	Volt	0.1	unsigned int
20	0014	L1 PHASE ACTIVE POWER	R	(-18000 - 18000)xCTxVT	Watt	0.1	int
22	0016	L2 PHASE ACTIVE POWER	R	(-18000 - 18000)xCTxVT	Watt	0.1	int
24	0018	L3 PHASE ACTIVE POWER	R	(-18000 - 18000)xCTxVT	Watt	0.1	int
26	001A	L1 PHASE REACTIVE POWER	R	(-18000 - 18000)xCTxVT	Var	0.1	int
28	001C	L2 PHASE REACTIVE POWER	R	(-18000 - 18000)xCTxVT	Var	0.1	int
30	001E	L3 PHASE REACTIVE POWER	R	(-18000 - 18000)xCTxVT	Var	0.1	int
32	0020	L1 PHASE APPARENT POWER	R	(0 - 18000)xCTxVT	VA	0.1	unsigned int
34	0022	L2 PHASE APPARENT POWER	R	(0 - 18000)xCTxVT	VA	0.1	unsigned int
36	0024	L3 PHASE APPARENT POWER	R	(0 - 18000)xCTxVT	VA	0.1	unsigned int
38	0026	L1 PHASE COS _φ	R	(-1000 - 1000)	-	0.001	int
40	0028	L2 PHASE COS _φ	R	(-1000 - 1000)	-	0.001	int
42	002A	L3 PHASE COS _φ	R	(-1000 - 1000)	-	0.001	int
44	002C	TOTAL IMPORT ACTIVE POWER	R	(0 - 54000)xCTxVT	Watt	0.1	int
46	002E	TOTAL EXPORT ACTIVE POWER	R	(0 - 54000)xCTxVT	Watt	0.1	int
48	0030	TOTAL INDUCTIVE REACTIVE POWER	R	(0 - 54000)xCTxVT	Var	0.1	int
50	0032	TOTAL CAPACITIVE REACTIVE POWER	R	(0 - 54000)xCTxVT	Var	0.1	int
52	0034	TOTAL APPARENT POWER	R	(0 - 54000)xCTxVT	VA	0.1	unsigned int
54	0036	AVERAGE INDUCTIVE COS _φ	R	(-1000 - 1000)	-	0.001	int
56	0038	AVERAGE CAPACITIVE COS _φ	R	(-1000 - 1000)	-	0.001	int
58	003A	FREQUENCY	R	(4000 - 7000)	Hz	0.01	unsigned int
60	003C	L1 PHASE VOLTAGE ANGLE	R	0-360	Degre	1	unsigned int
62	003E	L2 PHASE VOLTAGE ANGLE	R	0-360	Degre	1	unsigned int
64	0040	L3 PHASE VOLTAGE ANGLE	R	0-360	Degre	1	unsigned int
66	0042	L1 PHASE CURRENT ANGLE	R	0-360	Degre	1	unsigned int
68	0044	L2 PHASE CURRENT ANGLE	R	0-360	Degre	1	unsigned int
70	0046	L3 PHASE CURRENT ANGLE	R	0-360	Degre	1	unsigned int
72	0048	L1 PHASE VOLTAGE THD	R	0-999	%	0.1	unsigned int
74	004A	L2 PHASE VOLTAGE THD	R	0-999	%	0.1	unsigned int
76	004C	L3 PHASE VOLTAGE THD	R	0-999	%	0.1	unsigned int
78	004E	L1 PHASE CURRENT THD	R	0-999	%	0.1	unsigned int
80	0050	L2 PHASE CURRENT THD	R	0-999	%	0.1	unsigned int
82	0052	L3 PHASE CURRENT THD	R	0-999	%	0.1	unsigned int
84	0054	DIGITAL INPUT STATUS	R	-	-	-	-
86	0056	IMPORT ACTIVE ENERGY-1	R/W	0-FFFFFFFFFFFFFFF	Wh	1	long int
88	0058		R/W	0-FFFFFFFFFFFFFFF	Wh	1	long int
90	005A	EXPORT ACTIVE ENERGY-1	R/W	0-FFFFFFFFFFFFFFF	Wh	1	long int
92	005C		R/W	0-FFFFFFFFFFFFFFF	Wh	1	long int
94	005E	INDUCTIVE REACTIVE ENERGY-1	R/W	0-FFFFFFFFFFFFFFF	VArh	1	long int
96	0060		R/W	0-FFFFFFFFFFFFFFF	VArh	1	long int
98	0062	CAPACITIVE REACTIVE ENERGY-1	R/W	0-FFFFFFFFFFFFFFF	VArh	1	long int
100	0064		R/W	0-FFFFFFFFFFFFFFF	VArh	1	long int
102	0066	IMPORT ACTIVE ENERGY-2	R/W	0-FFFFFFFFFFFFFFF	Wh	1	long int
104	0068		R/W	0-FFFFFFFFFFFFFFF	Wh	1	long int
106	006A	EXPORT ACTIVE ENERGY-2	R/W	0-FFFFFFFFFFFFFFF	Wh	1	long int
108	006C		R/W	0-FFFFFFFFFFFFFFF	Wh	1	long int
110	006E	INDUCTIVE REACTIVE ENERGY-2	R/W	0-FFFFFFFFFFFFFFF	VArh	1	long int
112	0070		R/W	0-FFFFFFFFFFFFFFF	VArh	1	long int
114	0072	CAPACITIVE REACTIVE ENERGY-2	R/W	0-FFFFFFFFFFFFFFF	VArh	1	long int
116	0074		R/W	0-FFFFFFFFFFFFFFF	VArh	1	long int
118	0076	L1 PHASE MIN. VOLTAGE	R/W	(0-3000)xUT	Volt	0.1	unsigned int
120	0078	L2 PHASE MIN. VOLTAGE	R/W	(0-3000)xUT	Volt	0.1	unsigned int
122	007A	L3 PHASE MIN. VOLTAGE	R/W	(0-3000)xUT	Volt	0.1	unsigned int
124	007C	L1-L2 PHASE-PHASE MIN. VOLTAGE	R/W	(0-3000)xUT	Volt	0.1	unsigned int
126	007E	L2-L3 PHASE-PHASE MIN. VOLTAGE	R/W	(0-3000)xUT	Volt	0.1	unsigned int
128	0080	L3-L1 PHASE-PHASE MIN. VOLTAGE	R/W	(0-3000)xUT	Volt	0.1	unsigned int
130	0082	L1 PHASE MIN. CURRENT	R/W	(0-6000)xCT	Amper	0.001	unsigned int
132	0084	L2 PHASE MIN. CURRENT	R/W	(0-6000)xCT	Amper	0.001	unsigned int
134	0086	L3 PHASE MIN. CURRENT	R/W	(0-6000)xCT	Amper	0.001	unsigned int
136	0088	L1 PHASE MIN. ACTIVE POWER	R/W	(-18000 - 18000)xCTxVT	Watt	0.1	int
138	008A	L2 PHASE MIN. ACTIVE POWER	R/W	(-18000 - 18000)xCTxVT	Watt	0.1	int
140	008C	L3 PHASE MIN. ACTIVE POWER	R/W	(-18000 - 18000)xCTxVT	Watt	0.1	int
142	008E	L1 PHASE MIN. REACTIVE POWER	R/W	(-18000 - 18000)xCTxVT	Var	0.1	int
144	0090	L2 PHASE MIN. REACTIVE POWER	R/W	(-18000 - 18000)xCTxVT	Var	0.1	int
146	0092	L3 PHASE MIN. REACTIVE POWER	R/W	(-18000 - 18000)xCTxVT	Var	0.1	int
148	0094	L1 PHASE MIN. APPARENT POWER	R/W	(0 - 18000)xCTxVT	VA	0.1	unsigned int
150	0096	L2 PHASE MIN. APPARENT POWER	R/W	(0 - 18000)xCTxVT	VA	0.1	unsigned int