



Modbus Parameters		Default
Mode:	RTU (LSB first, apply address offset of +1 for Function 3 Holding Registers)	
Baudrate:	300 / 600 / 1200 / 2400 / 4800 / 9600 / 19200 bps	9600
Data Bit:	8	
Stop Bits:	1 or 2	1
Parity:	None / Odd / Even	None
Functions:	3 / 4	
Scan Rate:	≤ 100mS	

Register List

Starting Address (Decimal)	Starting Register (Hex)	Parameter	CT Input	Channel (CH)	Unit	Function	Read / Write	Length	Data structure	Range / Value	Default
30000	0x00	Voltage V1-N	-	-	V	3	R	2	Float	-	-
30002	0x02	Voltage V2-N	-	-	V	3	R	2	Float	-	-
30004	0x04	Voltage V3-N	-	-	V	3	R	2	Float	-	-
30006	0x06	Average Voltage L-N	-	-	V	3	R	2	Float	-	-
30008	0x08	Voltage V1-2	-	-	V	3	R	2	Float	-	-
30010	0x0A	Voltage V2-3	-	-	V	3	R	2	Float	-	-
30012	0x0C	Voltage V3-1	-	-	V	3	R	2	Float	-	-
30014	0x0E	Average Voltage L-L	-	-	V	3	R	2	Float	-	-
30016	0x10	Current I1	2	2 or 6	A	3	R	2	Float	-	-
30018	0x12	Current I2	2	2 or 6	A	3	R	2	Float	-	-
30020	0x14	Current I3	2	2 or 6	A	3	R	2	Float	-	-
30022	0x16	Average Current	2	2 or 6	A	3	R	2	Float	-	-
30024	0x18	kW1	2	2 or 6	kW	3	R	2	Float	-	-
30026	0x1A	kW2	2	2 or 6	kW	3	R	2	Float	-	-
30028	0x1C	kW3	2	2 or 6	kW	3	R	2	Float	-	-
30030	0x1E	kVA1	2	2 or 6	kVA	3	R	2	Float	-	-
30032	0x20	kVA2	2	2 or 6	kVA	3	R	2	Float	-	-
30034	0x22	kVA3	2	2 or 6	kVA	3	R	2	Float	-	-
30036	0x24	kVAr1	2	2 or 6	kVAr	3	R	2	Float	-	-
30038	0x26	kVAr2	2	2 or 6	kVAr	3	R	2	Float	-	-
30040	0x28	kVAr3	2	2 or 6	kVAr	3	R	2	Float	-	-
30042	0x2A	Total kW	2	2 or 6	kW	3	R	2	Float	-	-
30044	0x2C	Total kVA	2	2 or 6	kVA	3	R	2	Float	-	-
30046	0x2E	Total kVAr	2	2 or 6	kVAr	3	R	2	Float	-	-
30048	0x30	PF1	2	2 or 6		3	R	2	Float	-	-
30050	0x32	PF2	2	2 or 6		3	R	2	Float	-	-
30052	0x34	PF3	2	2 or 6		3	R	2	Float	-	-
30054	0x36	Average PF	2	2 or 6		3	R	2	Float	-	-
30056	0x38	Frequency	2	2 or 6	Hz	3	R	2	Float	-	-
30058	0x3A	Total net kWh	2	2 or 6	kWh	3	R	2	Float	-	-
30062	0x3E	Total net kVArh	2	2 or 6	kVArh	3	R	2	Float	-	-
30064	0x40	kW Max Active Power	2	2 or 6	kW	3	R	2	Float	-	-
30072	0x48	kVA Max Apparent Power	2	2 or 6	kVA	3	R	2	Float	-	-
30074	0x4A	Current I1	1	2 or 6	A	3	R	2	Float	-	-
30076	0x4C	Current I2	1	2 or 6	A	3	R	2	Float	-	-
30078	0x4E	Current I3	1	2 or 6	A	3	R	2	Float	-	-
30080	0x50	Average Current	1	2 or 6	A	3	R	2	Float	-	-
30082	0x52	kW1	1	2 or 6	kW	3	R	2	Float	-	-
30084	0x54	kW2	1	2 or 6	kW	3	R	2	Float	-	-
30086	0x56	kW3	1	2 or 6	kW	3	R	2	Float	-	-
30088	0x58	kVA1	1	2 or 6	kVA	3	R	2	Float	-	-
30090	0x5A	kVA2	1	2 or 6	kVA	3	R	2	Float	-	-
30092	0x5C	kVA3	1	2 or 6	kVA	3	R	2	Float	-	-
30094	0x5E	kVAr1	1	2 or 6	kVAr	3	R	2	Float	-	-
30096	0x60	kVAr2	1	2 or 6	kVAr	3	R	2	Float	-	-
30098	0x62	kVAr3	1	2 or 6	kVAr	3	R	2	Float	-	-
30100	0x64	Total kW	1	2 or 6	kW	3	R	2	Float	-	-
30102	0x66	Total kVA	1	2 or 6	kVA	3	R	2	Float	-	-
30104	0x68	Total kVAr	1	2 or 6	kVAr	3	R	2	Float	-	-
30106	0x6A	PF1	1	2 or 6		3	R	2	Float	-	-
30108	0x6C	PF2	1	2 or 6		3	R	2	Float	-	-
30110	0x6E	PF3	1	2 or 6		3	R	2	Float	-	-
30112	0x70	Average PF	1	2 or 6		3	R	2	Float	-	-
30114	0x72	Frequency	1	2 or 6	Hz	3	R	2	Float	-	-
30116	0x74	Total net kWh	1	2 or 6	kWh	3	R	2	Float	-	-
30120	0x78	Total net kVArh	1	2 or 6	kVArh	3	R	2	Float	-	-
30122	0x7A	kW Max Active Power	1	2 or 6	kW	3	R	2	Float	-	-
30130	0x82	kVA Max Apparent Power	1	2 or 6	kVA	3	R	2	Float	-	-
30132	0x84	Serial No.	-	-		3	R	2	Hex	-	-
30134	0x86	Existing kW Max Active Power	2	2 or 6	kW	3	R	2	Float	-	-
30138	0x8A	Existing kVA Max Apparent Power	2	2 or 6	kVA	3	R	2	Float	-	-
30142	0x8E	Total kWh (CT1 + CT2)	2	2 or 6	kWh	3	R	2	Float	-	-
30144	0x90	Total kVArh (CT1 + CT2)	2	2 or 6	kVArh	3	R	2	Float	-	-
30146	0x92	Existing kW Max Active Power	1	2 or 6	kW	3	R	2	Float	-	-
30148	0x94	Existing kVA Max Apparent Power	1	2 or 6	kVA	3	R	2	Float	-	-
30150	0x96	kWh of CH1	1	6	kWh	3	R	2	Float	-	-
30152	0x98	kWh of CH2	1	6	kWh	3	R	2	Float	-	-
30154	0x9A	kWh of CH3	1	6	kWh	3	R	2	Float	-	-
30156	0x9C	kWh of CH4	2	6	kWh	3	R	2	Float	-	-
30158	0x9E	kWh of CH5	2	6	kWh	3	R	2	Float	-	-
30160	0xA0	kWh of CH6	2	6	kWh	3	R	2	Float	-	-
30162	0xA2	kVArh of CH1	1	6	kVArh	3	R	2	Float	-	-
30164	0xA4	kVArh of CH2	1	6	kVArh	3	R	2	Float	-	-
30166	0xA6	kVArh of CH3	1	6	kVArh	3	R	2	Float	-	-
30168	0xA8	kVArh of CH4	2	6	kVArh	3	R	2	Float	-	-
30170	0xAA	kVArh of CH5	2	6	kVArh	3	R	2	Float	-	-
30172	0xAC	kVArh of CH6	2	6	kVArh	3	R	2	Float	-	-
30174	0xAE	kW Max Active Power of CH1	1	6	kW	3	R	2	Float	-	-
30176	0xB0	kW Max Active Power of CH2	1	6	kW	3	R	2	Float	-	-
30178	0xB2	kW Max Active Power of CH3	1	6	kW	3	R	2	Float	-	-
30180	0xB4	kW Max Active Power of CH4	2	6	kW	3	R	2	Float	-	-
30182	0xB6	kW Max Active Power of CH5	2	6	kW	3	R	2	Float	-	-

Starting Address (Decimal)	Starting Register (Hex)	Parameter	CT Input	Channel (CH)	Unit	Function	Read / Write	Length	Data structure	Range / Value	Default
30184	0xB8	kW Max Active Power of CH6	2	6	kW	3	R	2	Float	-	-
30186	0xBA	kVA Max Apparent Power of CH1	1	6	kVA	3	R	2	Float	-	-
30188	0xBC	kVA Max Apparent Power of CH2	1	6	kVA	3	R	2	Float	-	-
30190	0xBE	kVA Max Apparent Power of CH3	1	6	kVA	3	R	2	Float	-	-
30192	0xC0	kVA Max Apparent Power of CH4	2	6	kVA	3	R	2	Float	-	-
30194	0xC2	kVA Max Apparent Power of CH5	2	6	kVA	3	R	2	Float	-	-
30196	0xC4	kVA Max Apparent Power of CH6	2	6	kVA	3	R	2	Float	-	-
30198	0xC6	Existing kW Max Active Power of CH1	1	6	kW	3	R	2	Float	-	-
30200	0xC8	Existing kW Max Active Power of CH2	1	6	kW	3	R	2	Float	-	-
30202	0xCA	Existing kW Max Active Power of CH3	1	6	kW	3	R	2	Float	-	-
30204	0xCC	Existing kW Max Active Power of CH4	2	6	kW	3	R	2	Float	-	-
30206	0xCE	Existing kW Max Active Power of CH5	2	6	kW	3	R	2	Float	-	-
30208	0xD0	Existing kW Max Active Power of CH6	2	6	kW	3	R	2	Float	-	-
30210	0xD2	Existing kVA Max Apparent Power of CH1	1	6	kVA	3	R	2	Float	-	-
30212	0xD4	Existing kVA Max Apparent Power of CH2	1	6	kVA	3	R	2	Float	-	-
30214	0xD6	Existing kVA Max Apparent Power of CH3	1	6	kVA	3	R	2	Float	-	-
30216	0xD8	Existing kVA Max Apparent Power of CH4	2	6	kVA	3	R	2	Float	-	-
30218	0xDA	Existing kVA Max Apparent Power of CH5	2	6	kVA	3	R	2	Float	-	-
30220	0xDC	Existing kVA Max Apparent Power of CH6	2	6	kVA	3	R	2	Float	-	-
40000	0x00	Password	-	-		4	R/W	1	Integer	0000 - 9998	1000
40001	0x01	Network Selection	-	-		4	R/W	1	Integer	0x0000: 3P4W 0x0002: 1P2W-P1 0x0003: 1P2W-P2 0x0004: 1P2W-P3	0x0000
40002	0x02	CT Secondary	-	-	A	4	R	1	Integer	5	5
40003	0x03	CT Primary CT1	-	-	A	4	R/W	1	Integer	5 - 10000	160
40004	0x04	PT Secondary	-	-	V	4	R/W	1	Integer	173 - 415	350
40005	0x05	PT Primary	-	-	V	4	R/W	2	Integer	100 - 500k	350
40007	0x07	Slave ID	-	-		4	R/W	1	Integer	1 - 255	1
40008	0x08	Baud Rate	-	-	bps	4	R/W	1	Integer	0x0000: 300 0x0002: 600 0x0003: 2400 0x0004: 4800 0x0005: 9600 0x0006: 19200	0x0005
40009	0x09	Parity	-	-		4	R/W	1	Integer	0x0000: None 0x0001: Odd 0x0002: Even	0x0000
40010	0x0A	Stop Bit	-	-		4	R/W	1	Integer	0x0000: 1 0x0001: 2	0x0000
40011	0x0B	Backlight OFF	-	-	sec	4	R/W	1	Integer	0 - 7200	0
40012	0x0C	Factory Default	-	-		4	R/W	1	Integer	1: Set to factory setting range	-
40013	0x0D	Reset kWh of CT1	-	-		4	R/W	1	Integer	1: Reset Total Active Energy	-
40015	0x0F	Reset kVarh of CT1	-	-		4	R/W	1	Integer	1: Reset Total Reactive Energy	-
40034	0x22	Demand Interval Method	-	-		4	R/W	1	Integer	0x0000: Sliding 0x0001: Fixed	0x0000
40035	0x23	Demand Interval Duration	-	-		4	R/W	1	Integer	1 - 30	15
40036	0x24	Demand Interval Length	-	-	min	4	R/W	1	Integer	1 - 30	1
40037	0x25	Reset Max kW of CT1	-	-		4	R/W	1	Integer	1: Reset Max Active Power	-
40041	0x29	Reset Max kVA of CT1	-	-		4	R/W	1	Integer	1: Reset Max Active Power	-
40042	0x2A	Reset kW of CT2	-	-		4	R/W	1	Integer	1: Reset Active Power	-
40044	0x2B	Reset kVA of CT2	-	-		4	R/W	1	Integer	1: Reset Active Power	-
40045	0x2C	Reset Max kW of CT2	-	-		4	R/W	1	Integer	1: Reset Max Active Power	-
40049	0x31	Reset Max kVA of CT2	-	-		4	R/W	1	Integer	1: Reset Max Active Power	-
40050	0x32	CT Primary CT2	-	-	A	4	R/W	1	Integer	5 - 10000	160
40057	0x39	Pulse Duration	-	-	sec	4	R/W	1	Integer	0.1 - 2.0	0.1
40058	0x3A	Pulse Weight CT1	-	-	kWh	4	R/W	1	Integer	0.01 - 99.99	0.1
40059	0x3B	Pulse Weight CT2	-	-	kWh	4	R/W	1	Integer	0.01 - 99.99	0.1
40060	0x3C	No of Channel	-	-		4	R/W	1	Integer	0: 2 CH 1: 6 CH	0