

Register Address (decimalism)	Register Type	Register Name		Effective Range	note
<b>Charger Control Message</b>					
10000	RO	The type of machine High	PC		
10001	RO	The type of machine Low	1800		
10002	WR	Serial number High			
10003	WR	Serial number Low			
10004	RO	Hardware version	1.0.00		
10005	RO	Software version	1.0.00		
10006	WR	PV voltage calibration coefficient	16384		
10007	WR	Battery voltage calibration coefficient	16384		
10008	WR	Charger current calibration coefficient	16384		
10009	RO	Rated Current	0.1A		
10010	RO	Communication Protocol Edition	1.04.14		
10011-10100	WR	reserved	reserved		
10101	WR	charger work enable	0:OFF 1:ON	effective range: 0,1 the default value is 1;	
10002	WR	reserved	reserved		
10103	WR	Battery Float voltage	0.1V	48V:480-640(48.0-64.0)V the default value is 54.0V 24V:240-320(24.0-32.0)V the default value is 27.0V 12V:120-160(12.0-16.0)V the default value is 13.5V	
10104	WR	Battery Absorption voltage	0.1V	48V:480-64.0(48.0-64.0)V the default value is 56.4V 24V:240-32.0(24.0-32.0)V the default value is 28.2V 12V:120-16.0(24.0-16.0)V the default value is 14.1V	
10105	WR	Battery low voltage	0.1V	48V:340-440(34.0-44.0)V the default value is 34.0V 24V:170-220(17.0-22.0)V the default value is 17.0V 12V:85-110(8.5-11.0)V the default value is 8.5V	
10106	WR	reserved			
10107	WR	reserved			
10108	WR	Max charger current	0.1A	0.1A effective range: (0.1-80.0)A	
10109	WR	reserved			

10110	WR	Battery type	0:no choose 1:Use defined battery 2:lithium battery 3:SEALED_LEAD battery 4:AGM battery 5:GEL battery 6:FLOODED battery	the default value is 4 ; effective range: 0,6	Refer to the frame Charging point
10111	WR	Battery AH	1AH	effective range:(0-900)AH the default value is 100AH	
10112	WR	Remove the accumulated data	0:No remove the accumulated data 1:Remove the accumulated data	the default value is 0; effective range: 0,1	
10113	WR	Battery Voltage Grade	0:aotumatically detected 12:12V 24:24V 36:36V 48:48V		
10114	WR	reserved			
10115	WR	reserved			
10116	WR	CV charging Max time	1min	5~900(5-900)min the default value is 150min	
10117	WR	BTS temperature compensation ratio	0.1mV	0~600(0-60.0)mV the default value is 0.0mV	
10118	WR	Battery equalization enable	0:Disable 1:Enable	effective range: 0,1 the default value is 0;	
10119	WR	Battery Equalization voltage	0.1V	48V:480-640(48.0-64.0)V the default value is 58.4V 24V:240-320(24.0-32.0)V the default value is 29.2V 12V:120-160(12.0-16.0)V the default value is 14.6V	
10120	WR	The Max Current of battery equalization	0.1A	0.1A 1-800 effective range: (0.1-80.0)A	
10121	WR	Battery equalized time	1min	5-900(5-900)min the default value is 150min	
10122	WR	Battery Equalized timeout	1min	5-900(5-900)min the default value is 150min	
10123	WR	Equalization interval	1day	0-90(0-90)day the default value is 30 days	
10124	WR	Equalization actived immediately	0:No effect 1:Action	the default value is 0; effective range:0,1	
10125	WR	System setting		refer to the frame System setting bit	
10126	WR	Reset the parameter	0:No effect 1:Action	the default value is 0; effective range:0,1	
16001	WR	customiz combine charger with Utility current setting	0.1A	for customize when the baudrate is 2400,you maybe use it. 0.1A 1-1400 effective range: (0.1-140.0)A	
16002	WR	customize start machine setting	0:No effect 1:Action	for customize when the baudrate is 2400,you must write 1 if you want start the machine	

Register Address (decim	Register Type	Register Name	Physical Unit	Effective Range	note
Charger Display Message					
15201	RO	Charger workstate	0: Initialization Mode 1: Selftest Mode 2: Work Mode 3: Stop Mode		
15202	RO	Mppt state	0: Stop 1: MPPT 2: Current limiting		

15203	R0	charging state	0: Stop 1: Absorb charge 2: Float charge 3: EQ charge		
15204	R0	reserved			
15205	R0	PV voltage	0.1V	(0.0-150.0)V	
15206	R0	Battery voltage	0.1V	(0.0-80.0)V	
15207	R0	Charger current	0.1A	(0.0-90.0)A	
15208	R0	Charger power	1W	(0-5000)W	
15209	R0	Radiator temperature	1℃	(-40-150)℃	
15210	R0	External temperature	1℃	(-40-150)℃	
15211	R0	Battery Relay		0: Disconnect 1:Connect	
15212	R0	PV Relay		0: Disconnect 1:Connect	
15213	R0	Error message	Refer to frame Charger		
15214	R0	Warning message	Refer to frame Charger Warning message 1		
15215	R0	BattVol Grade	1V		
15216	R0	Rated Current	0.1A		
15217	R0	Accumulated PV power high	1000KWH		
15218	R0	Accumulated PV power low	0.1KWH		
15219	R0	Accumulated day	1day		
15220	R0	Accumulated hour	1hour		
15221	R0	Accumulated minute	1minute		
15222	R0	Communication Protocol Edition	1.04.14		
15223	R0	Soc	1%		
15224	R0	Arrow Flag	bit	Refer to the frame Arrow Flag bit	

System setting bit	
Bit	meaning
0	reserved
1	reserved
2	reserved
3	AutoTurnPageFlagForb
4	reserved
5	reserved
6	LcdLightEn
7	reserved
8	reserved
9	reserved
10	reserved
11	reserved
12	reserved
13	reserved
14	reserved
15	reserved

Arrow Flag bit		
Bit		meaning
0	PV-to-Machi	0: Disconnect 1:Connect
1	PV_Flag	0:Inexistence 1:Existence
2	Machine-to-	0: Disconnect 1:Connect
3	Batt_Flag	0:Inexistence 1:Existence
4	reserved	
5	reserved	
6	reserved	
7	reserved	
8	reserved	
9	reserved	
10	reserved	
11	reserved	
12	reserved	
13	reserved	
14	reserved	
15	reserved	

Charging point				
Parameter	Battery	Absorb Stage	Float Stage	Equalize Stage
Unit		volt	volt	volt
Default	AGM/Gel/LE	57.6V/28.8V/14.4V	54.8V/27.4V/13.7V	58.4V/29.2V/14.6V
Option	Flooded	56.8V/28.4V/14.2V	54.8V/27.4V/13.7V	58.4V/29.2V/14.6V
Option	Customized	56.4V/28.2V/14.1V	54.0V/27.0V/13.5V	58.4V/29.2V/14.6V