Register Address (decimalism)	Register Type	Register Name		Effective Range
10000	RO	The type of machine High	rc	
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	the default value is 4 ; effective range: 0,6
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	
10114	WR	reserved		
10115	WR	reserved		
10116	WR	CV charing 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 (decimalism)	Register Type	Register Name	Physical Unit	Effective Range
Charger Display Message				
15201	RO	Charger workstate	0: Initialization Mode 1: Selftest Mode 2: Work Mode	
15202	RO	Mppt state	0: Stop 1: MPPT 2: Current limiting	

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

System setting bit	
Bit	meaning
0	reserved
1	reserved
2	reserved

3	AutoTurnPageFlagForbid	
4	reserved	
5	reserved	
6	LcdLightEnable	
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-Machine-Ar	0: Disconnect 1:Connect
1	PV_Flag	0:Inexistence 1:Existence
2	Machine-to-Batt-	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 type	Absorb Stage	Float Stage	Equalize Stage
Unit		volt	volt	volt
Default	AGM/Gel/LEAD	57.6V/28.8V/14.4V	54.8V/27.4V/13	58.4V/29.2V/14.6V
Option	Flooded	56.8V/28.4V/14.2V	54.8V/27.4V/13	58.4V/29.2V/14.6V
Option	Customized	56.4V/28.2V/14.1V	54.0V/27.0V/13	58.4V/29.2V/14.6V

note

Refer to the frame
 Charging point

note