SC series
PWM solar charge controller

SC2440-SC2460, SC4840-SC4860 (12/24/36/48v, 40A-60A)

The product is multi-functional LCD solar controller with clock display and seven operating modes that are charging mode, light control mode, light and time delay control mode, universal control mode, manual control mode, timing control mode and testing mode. Among them, test mode is only applicable to the factory test.Charging control is applicable to any mode, as long as the charging condition is reached, it can charge immediately.

PRODUCT FEATURES

1.Charging mode : in any case ,never discharge

2.Light control mode: when the controller detects nights, it will delay ten minutes then start to discharge; when it detects daytime, it will delay ten minutes then stop discharging.

3.Light and time delay control mode: when the controller detects nights, it will delay ten minutes then to start to discharge and count down, if the timer stops by zero , discharge will stop . The longest duration of delay is 23:59.

4.Universal control mode: under the trouble-free condition, it always keep discharging.

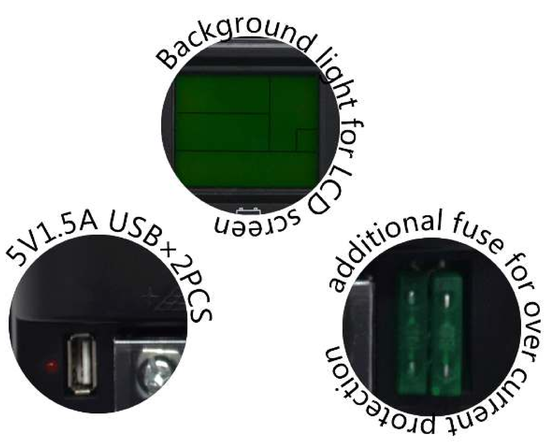
5.Manual control mode:it uses " " for discharging or not.

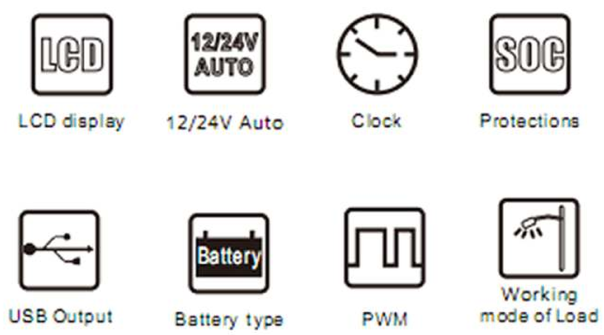
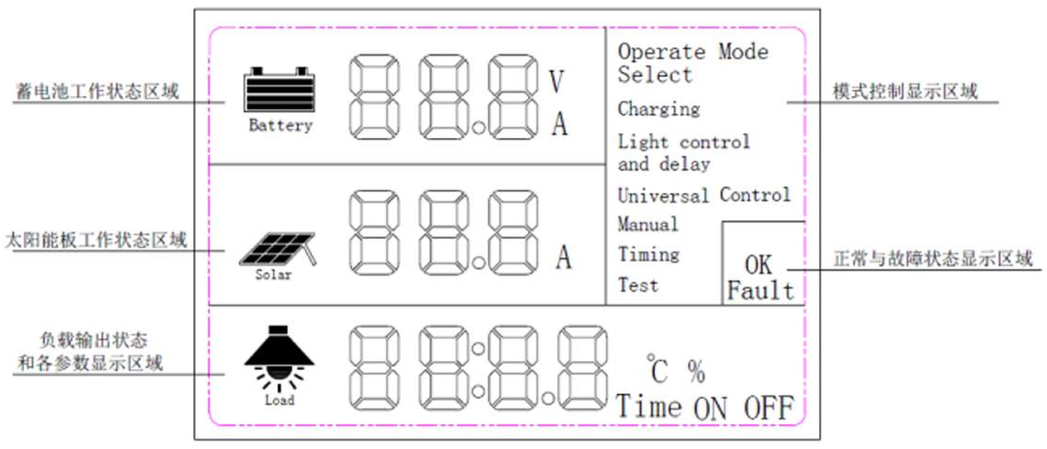
6.Timing control mode : it open or closes the discharge regularly

7.Test mode: it is the same as light and time delay control mode but only loses ten minutes of time delay.

8.The controller still discharge under low voltage protection. Touch-holding " " for 5 seconds,discharge continues to output. But discharge is only stopped by hand. Notice that this performance may damage the battery , be careful with it !

OPTIONAL FUNCTIONS





Model	SC2440	SC2450	SC2460	SC4840	SC4850	SC4860
Solar Input						
Rated input current	40A	50A	60A	40A	50A	60A
Input Voltage	≤50V			≤100V		
Battery						
System Voltage	12/24V Auto			12/24/36/48V Auto		
Battery Type	GEL battery, lead acid battery, Li-ion battery					
Charging Mode	PWM charging mode					
Float charge voltage	14.2V/28.4V			14.2V/28.4V /42.4V/56.8V		
Load						
Rated load current	40A	50A	60A	40A	50A	60A
Low voltage disconntect	10.5V/21V			10.5V/21V /31.5V/42V		
Low voltage reconntect	11.5V/23V			11.5V/23V/44.5V/46V		
Ovr voltage disconnect	16V/32V			16V/32V/48V/64V		
Related Infomation						
Operating temperature	-25℃～55℃					
Dimension	20*15.7*6.2CM					
Weight	575—635G					
Packing Quantity	20PCS/Carton