

PWM Solar Panel Charge Controller Manual

SAFETY INSTRUCTIONS

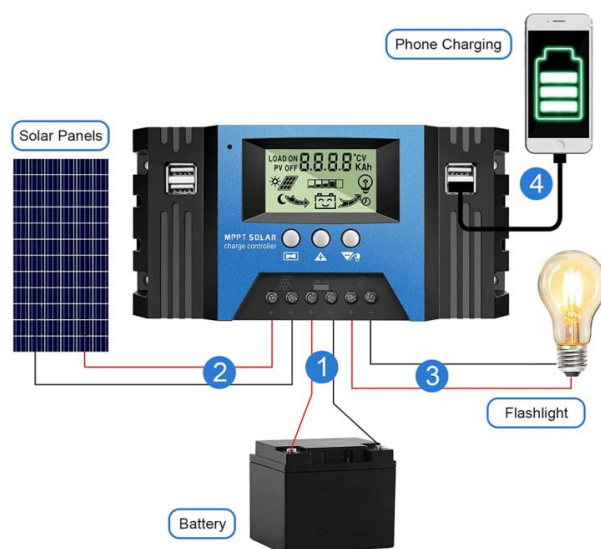
- This controller is suitable for 3 types of batteries - Lead-acid batteries(12V/24V Auto); Lithium-ion batteries (3 strings of 11.1V lithium batteries); lithium iron phosphate batteries (4 strings of 12.8V). Don't used in other battery.
- The battery cable should be as short as possible to minimize loss.
- At first time installation, make sure the battery have enough voltage, so controller can recognize the correct battery type.
- The Charger regulator is only suitable for regulating solar modules. Never connect another charging source to the charge regulator.

PRODUCT FEATURES

- Built-in industrial micro controller
- Large LCD display, all adjustable parameter
- Fully 3 stage Charge management
- Built-in short-circuit protection, open-circuit protection,
- reverse protection, over-load protection.
- Reverse current protection, low heating dissipation.

SYSTEM CONNECTION STEP

1. Connect the battery to the charge regulator - plus and minus.
2. Connect the photovoltaic module to the regulator-plus and minus.
3. Connect the consumer to the charge regulator-plus minus



TECHNICAL SPECIFICATION

Model	SCC-40A-PWM-LCD-S2	SCC-100A-PWM-LCD-S2
Batt Voltage	12V/24V Auto adaptation	
Rated Charge Current	40A	100A
Rated Discharge Current	20A	30A
Max Solar Input	12V battery/highest 23V; 24V battery/highest 46V	
Equalization	14.4V	
Float Voltage	13.7V default (Adjustable range 13~15V)	
Discharge Cut-off voltage	10.7V default ((Adjustable range 9~11.5V)	
Discharge recovery Voltage	12.6V default ((Adjustable range 11.5~13V)	
Charge reconnect	13V	
Standby current	≤10mA	
USB output	5V/2.5A Max	
Working Temperature	-35~+60	

TROUBLE SHOOTING

TROUBLE	TROUBLE RESON	SOLUTION
Charge icon not on when sunny	Solar panel opened or reversed	Reconnect
Load icon off	Mode setting wrong, battery low	Set again, recharge
Load icon flashing	Over Load, Short circuit protection	Reduce load watt, Remove short circuit, 1minutes or auto recovery
Power Off	battery too low reverse	Check battery/connection

