

CMP12 SOLAR CHARGE CONTROLLER

User's manual

The product is used to control Solar Panel and battery in Solar System automatically. Here is the Solar Panel Configuration list with different rated voltage (12V and 24V)

I. FUNCTION:

1. Over-load protection
2. Short circuit protection
3. Reverse discharging protection
4. Reverse-polarity protection
5. Over-charging protection

II. CONNECTION (AS INDICATED IN DIAGRAM):

Open the top cover of controller and connect the wire with terminals follow the diagram on the top cover of it.

1. Connect the “+”, “-” Poles of the battery to the corresponding ports of controller (the third and the fourth one from left).

* **Load indicator (load) flash once and after 15 seconds will light up, said connected correctly, can proceed the following connection. Otherwise it will damage the controller.**

2. Connect the “+”, “-” poles of the solar panel to the corresponding ports of controller (the first and the second one from left).

* **If a connection error can damage your controller.**

3. Connect the “+”, “-” poles of the load to the corresponding ports of controller (the fifth and the sixth one from left).

III. INDICATOR LED

1. Charge LED is used to indicate the charging status of battery. Lighting is in-charging mode, flickering is floating charge mode. LED turn off means charging stopped.

2. There is output and load can work if the Load LED is lighting. There isn't output and the load cannot work if Load LED off.

Notice:

1. Please make sure the rated voltage of solar panels, batteries the loads are the same. All of them should be 12V or 24V.

2. The rated current of solar panels and load must be less than the rated current of controller.

The specifications: Error of 2%

Rated voltage	12V/24V	Voltage of stop power supply	10.8V/21.6V
Rated charging current	5A 10A 15A 20A 30A	Voltage of resume power supply	12.6V /25.2V
Rated load current	5A 10A 15A 20A 30A	Voltage of stop charging	/14.4V /28.8V
Working temperature	-20 ~ +60℃	Temperature coefficient of voltage stop charge	-3mV/℃/cell
Dimension(L*W*H)	103×95×38mm	Net weight	110g~ 140g

Parameters may customized by customers.