

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. Lightning protection
4. Under-voltage 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).

*** The subsequent operation can be processed if only if load indicator (mark: load) flickers once and starts lighting. Otherwise, the subsequent operation 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, flashing 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 6V, 12V or 24V.

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

The specifications:

Rated voltage	6V,12V/24V	Voltage of stop power supply	5.4V,10.8V/21.6V
Rated charging current	5A 10A 15A 20A	Voltage of resume power supply	6.3V,12.6V /25.2V
Rated load current	5A 10A 15A 20A	Voltage of stop charging	7.2V,14.4V /28.8V
Working temperature	-20 ~ +60°C	Temperature coefficient of voltage stop charge	-3mV/°C/cell
Dimension(L*W*H)	103×95×38mm	Net weight	120g~ 160g

Parameters may customized by customers.