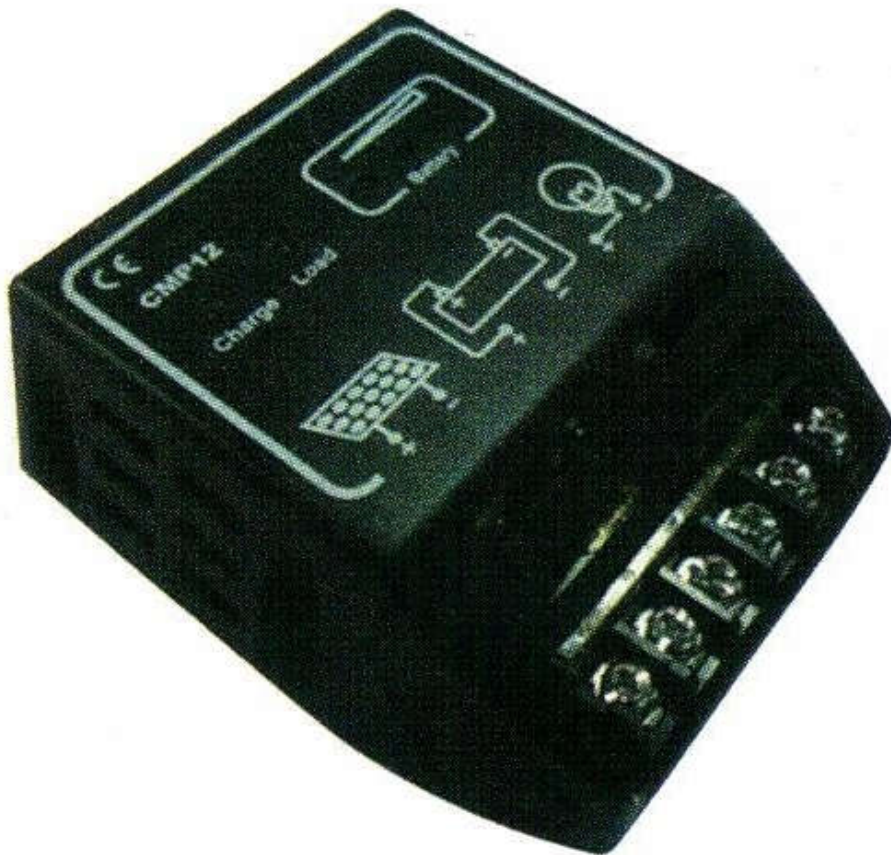


SOLAR CHARGE CONTROLLER

User 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 (6V , 12V and 24V)

Voltage: 6V 12V 24V 6V/12V 12V/24V

Power (Voltage current): 6V/12V/24V

05A: 30W/60W/120W 15A: 90W/180W/360W

10A: 60W/120W/240W 20A:120W/240W/480W

I. FUNCTION:

- 1. Over-load protection**
- 2. Short circuit protection**
- 3. Reverse discharging protection**
- 4. Reverse-polarity protection**
- 5. Protection from the lighting strike**
- 6. Under-voltage protection**
- 7. Over-charging protection**

II. CONNECTION (AS INDICATED IN DIAGRAM):

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

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

***The subsequent operation can be processed only if load indicator (mark:load) flickers once and starts lighting after 30 seconds. 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).

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

III. LED INDICATOR

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 working if the Load LED is lighting. There isn't output and the load working if Load LED off.

Notice:

1. Please make sure the rated voltage of solar panels, batteries and the loads are same. All of them should be **6V or 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	6V/12V/24V	Voltage of stop power supply	*54V/10.8V/21.6V
Rated charging current	5A <input type="checkbox"/> 10A <input type="checkbox"/> 15A <input type="checkbox"/> 20A <input type="checkbox"/>	Voltage of resume power supply	*6.3V/12.6V/25.2V
Rated load current	5A <input type="checkbox"/> 10A <input type="checkbox"/> 15A <input type="checkbox"/> 20A <input type="checkbox"/>	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 X95 X38mm	Net weight	110g~140g

Parameters may customized by customers.

IV.METHOD TO SET SWITCH OFF THE LIGHT:

