

SOLAR CONTROLLER CMP12/24 (non waterproof)

User's manual



The product can automatically manage the work of Solar Panel and battery in Solar System,

which is below 144W (12V) or below 240W (24V). Max solar panel: 12A (Auto switch between 12v/24v, 144W 288W)

I. FUNCTION:

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

II. CONNECTION (AS INDICATED IN DIAGRAM):

Open the top cover of controller; connect the wire and terminals of controller according to the drawing on the top cover of controller.

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

*If load indicator (mark: load) flickers once and starts lighting after 30 seconds, you can tell the connection is correct; the following operation can be proceed, otherwise, the following operation may damage the controller.

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

*Incorrect connection may damage.

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

III. INDICATOR LED

1. The battery is being charged strongly when the Charge LED is lighting; flickering means the battery is in floating charge mode, if it's off means charging stopped.

2. When the Load LED is lighting, it means there is output and load can work; if it's off, there isn't output and the load cannot work.

Notice:

1. Please make sure the rated voltage of solar panels, batteries the loads are same and are all 12V or all 24V.

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

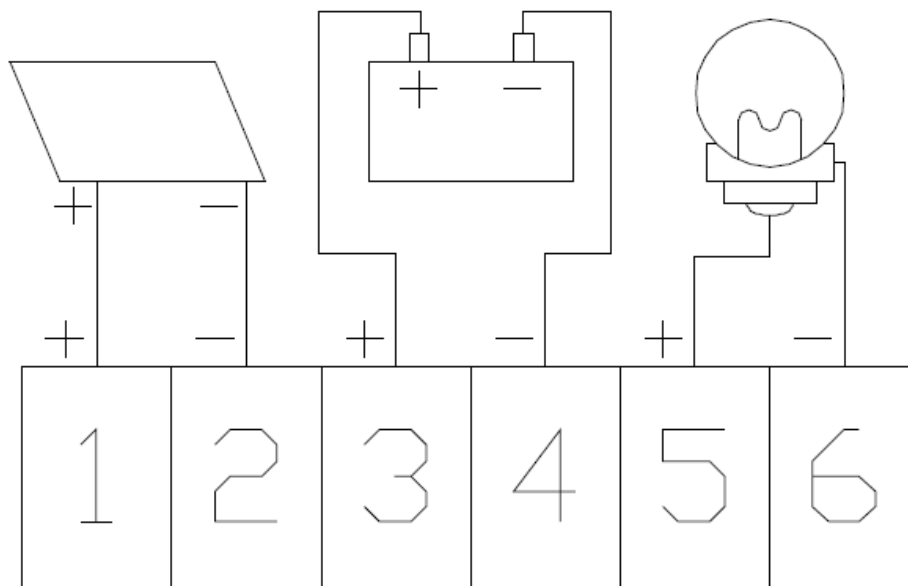
The Specifications: Error of 2%

Rated voltage	12V or 24V	Voltage of stop power supply	*10.8V or 21.6V
Rated charging current	10A	Voltage of resume power supply	*12.6V or 25.2V
Rated load current	10A	Voltage of stop charging	*14.0V or 28.0V
Working	-20 ~ +60°C	Temperature coefficient of voltage	-3mV/°C/cell

temperature		stop charge	
Dimension (L*W*H)	101×95×35 mm	Net weight	140g

Parameters may customized by customers.

IV. METHOD TO SET SWITCH OFF THE LIGHT:



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