

# INTRODUCTION OF SOLAR CHARGE CONTROLLER

## CMP12

### Function:

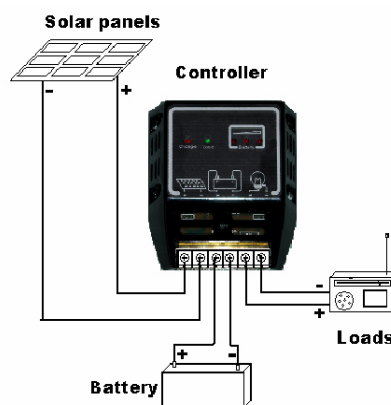
According to the voltage of battery, controller will adjust the charging current and decide if to supply power to the loads.

1. Generally keep the battery on full voltage condition.
2. Prevent the battery from over-charging.
3. Prevent the battery from over-discharging.
4. Prevent the battery from supplying power to solar panels during nights.

### Connection:

according to indication in the picture:

1. Connect “+” and “-” poles of battery with the correct ports on the Controller (the third and fourth wires from the left).
2. Connect “+” and “-” poles of solar panels with the correct ports on the controller (the first and second wires from the left).
3. Connect “+” and “-” poles of load with the correct ports on the controller (the fifth and sixth wires from the left).



### Indicator light:

1. Three red LED. They indicate the voltage of battery. It indicates the voltage enough that three red LED are all illuminating, and the voltage not enough that there is only one red light LED illuminating.
2. One green LED. The battery is strongly charged when this light is illuminating, the battery is floatingly charged when this LED is flickering, and the battery has stopped charging when the LED unlighted.
3. The voltage of battery is little low when one red LED or two red LED are illuminating, maybe the load can't naturally work. But when the voltage of battery reaches 12.6v, the load will be allowed automatically to start work.

### Attention:

1. Please check the rated voltage of solar panels, battery, and load before connection. Their rated voltage should be 12v.
2. Pay more attention to “+” and “-” poles of solar panels, battery, controller and loads during the process of connection.
3. The rated current of solar panels and loads are kept lower than the one of controller.

Model	CMP12	Model	CMP12
rated voltage	12V/24V	Voltage of stop power supply	*10.4V/20.8V
rated charging current	5A,6A,10A,12A	Voltage of resume power supply	*11.8V/23.6V
Rated loading current	5A,6A,10A,12A	Voltage of stopping charge	*14.4V/28.8V
Working temperature	-20 ~ +60°C	N. G	136g
Size (L*W*H)	102*45*107mm	PCS/Carton	48

