

SLC20 SOLAR CHARGE CONTROLLER



SLC20-12V/6A, SLC20-12V/10A, SLC20-12V/15A, SLC20-12V/20A
SLC20-24V/6A, SLC20-24V/10A

Function:

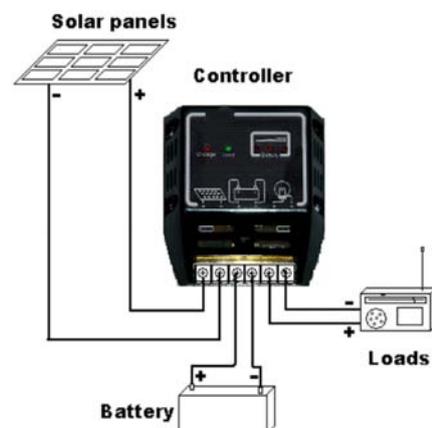
According to the voltage of battery, controller will adjust the charging current and decide if to supply power to the loads.

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.
5. Overloading protection.
6. Short circuit protection.
7. Reverse current protection.
8. Reverse polarity connection protection.
9. Lighting protection.
10. Over discharging protection.
11. Over charge protection.
12. The temperature compensation.

Connection:

According to indication in the picture:

1. Connect “+” and “-” poles of solar panels with the correct ports on the controller (the first and second wires from the left).
2. Connect “+” and “-” poles of battery with the correct ports on the controller (the third and fourth 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.
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 or 25.2V, the load will be allowed automatically to start work.

Attention:

1. Please check the rated voltage of solar panels, battery, and load before conjunction, their rated voltage should be 12v or 24V.
2. Please 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.

Specification:

Charge regulator	SLC20
Model	12V/6A,12V/10A,12V/15A, 12V/20A, 24V/6A,24V/10A,
Nominal voltage	12v or 24V
Working principle	PWM
Type of connection	parallel
High charge disconnection	14V or 28V
Indicator of a battery charge	LED display
Maximum charge current	6A, 10A, 15A, 20A
Temperature compensation	-3MV/CELL·°C
Low-charge disconnection	10.5v or 21V
Low-charge reconnection	12.6v or 25.2V
Maximum own power consumption	12mA
Short-circuit protection	yes
Protection against reverse polarity	yes
Operating temperature range	-20°C~60°C
Packing size	105*55*115mm
Weight	0.14kg