

A1801022 10A塑壳控制器说明书 8500001125 A4 单面 单黑 70g

A1610090 10A塑壳控制器说明书8500001125 A4 单面 YF7 2016/11/14 单黑

Solar Charge Regulator

Instruction Manual

Solar charge regulator is designed to control the charging from solar panel into battery, and the power draw from the battery to outputs. This solar charge regulator is recommended for used with "Topray" series solar panel

Technical data:

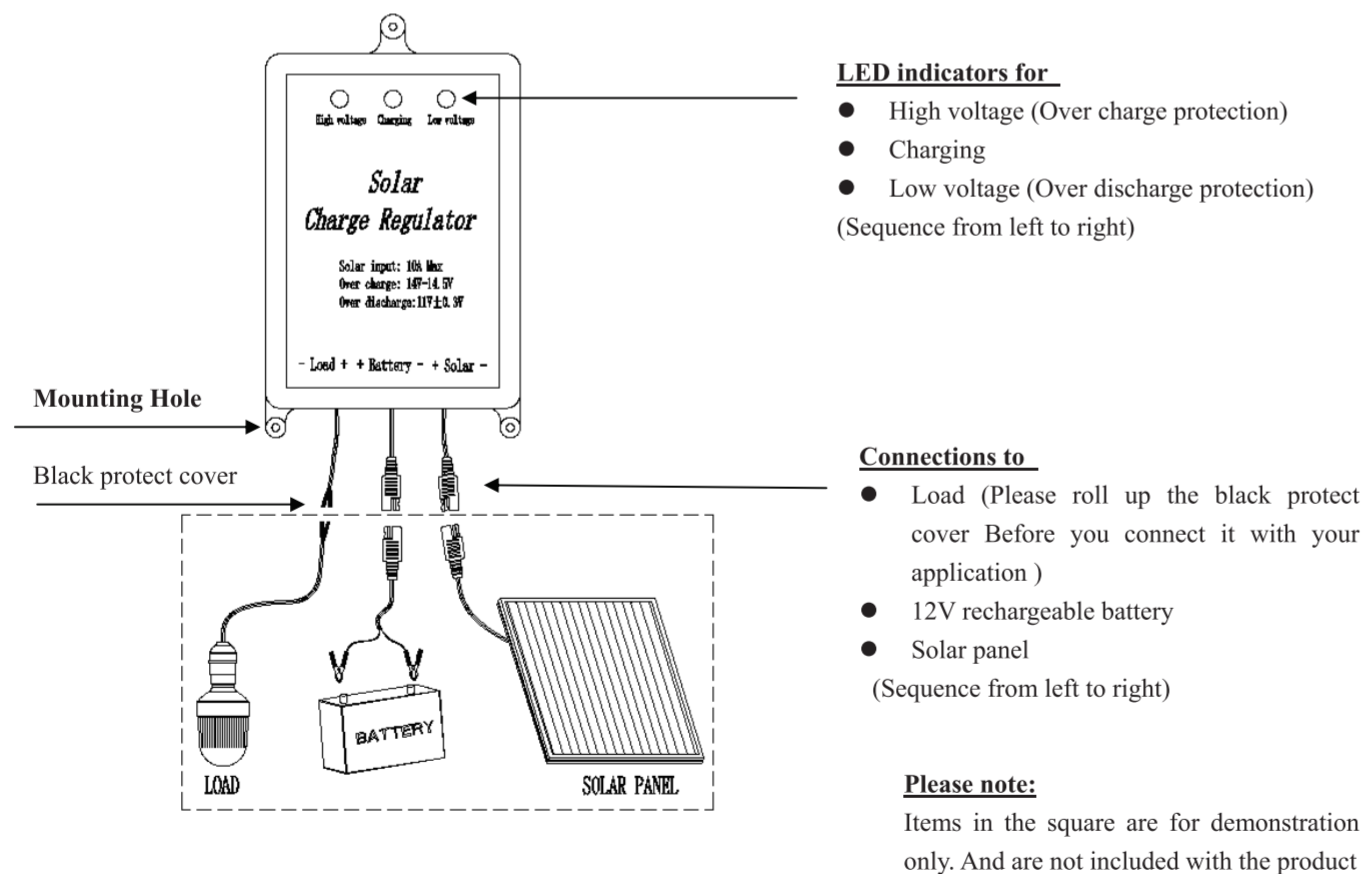
Operating Temperature	-10°C to 42°C	Humidity	≤80 %
Max. input Voltage	22V	Max. array current	10A
Over discharge protection	11.0V (±0.30V)	Over charge protection	14V (+0.5V)

How to Charge:

- Connect Solar panel, 12V rechargeable battery, and application (if any) as describe in the diagram below. Always connect the battery first.
- When the solar panel is connected to the solar charge regulator, the charging LED will go on to show that the 12V rechargeable battery is receiving charge from the solar panel
- The charge regulator provides the following protections for the whole system
 1. **Over-discharge protection:** When activated, "Low Voltage" indicator will go on, the charge regulator will shut off power output to prevent damage to the battery. In such case, stop using any application.
 2. **Over-charge protection:** When activated, "High Voltage" indicator will go on, the charge regulator will shut off power input from solar panel to battery. Disconnect the solar panel from the charge regulator.

Caution:

- Do not short circuit and/or reverse the polarity of the load, the solar panel, or the battery.
- Place the charge regulator in a cool and ventilated place. Avoid contact with water.



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