

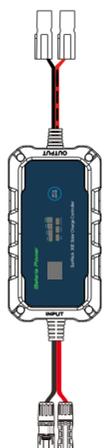
# 尺寸: 75\*135mm, 6折页

## 正面

**Bateria Power**

SunRock 30E/30E Pro  
Solar Charge Controller

### User Manual



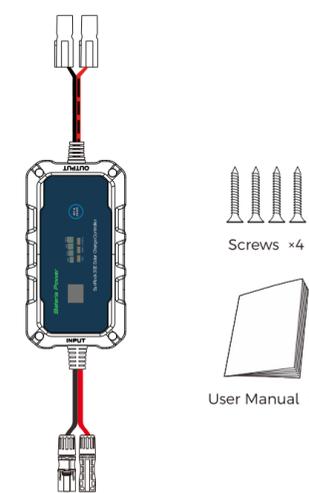
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**Bateria Power**

Bateria Power is committed to becoming a leading technical company in the clean energy industry, the company has been deeply engaged in the photovoltaic/battery/charging industry for many years, hoping that our products and technologies allow users to feel the fun of using new energy, and at the same time contribute to the carbon reduction of the earth.

We look forward to direct communication with users, if you have any problems or unpleasantness during use, please feel free to contact us, your comments will be accepted without any reservation, and for our future product improvement, thank you!

### Packing List

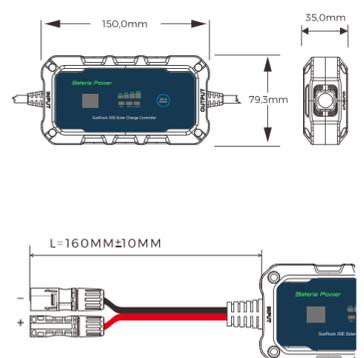


Solar Charge Controller x1

Screws x4

User Manual x1

### Product Overview



### Product Description

The product designed for charging from solar to battery, this solar charge controller with very high charging efficiency, and easy to be operated, which can ensure you a good operation experience, and enjoy the fun of clean energy.

### Main Feature

- ◆ 3-stage charging optimizes battery performance.
- ◆ Suitable for battery types such as vented GEL, AGM and LiFePO<sub>4</sub>.
- ◆ LCD shows battery voltage and charge current, etc.
- ◆ LED indicates battery soc ,charging status and battery type.
- ◆ User-friendly key press operation, simpler and easier.
- ◆ Easy to be installed.
- ◆ Overcharge, over-temperature, reverse polarity protection.

**Bateria Power** SunRock 30E/30E Pro



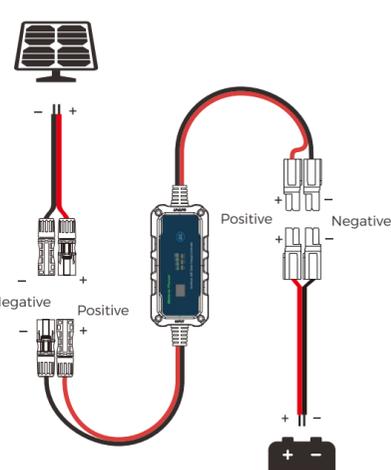
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## 背面

### Specification

Parameter	Value
Type	SunRock 30E/30E Pro
No-load Loss	12V/20mA 24V/12mA
System Voltage	12V / 24V
Battery Type	AGM/GEL/LiFePO <sub>4</sub>
Max Solar Input Voltage	12V Bat/25Voc 24V Bat/55Voc
Rated Solar Charge Current	30A
Max Solar Input Power	450W/12V Bat 900W/24V Bat
Operating Temperature	-20°C~+45°C
Internal Protection Temperature	-40°C~+80°C
IP Protection	IP45
Net Weight	350g
Operating Altitude	<3000 meters
Controller Dimension(mm)	150*79.3*35

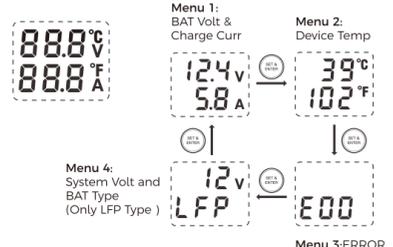
### Installation Guide



**Note:**  
First to connect the battery, then connect PV panel.

### Product Instruction

**1) LCD Display Indication**



**2) Battery SOC Indication**

SOC	Charging State	LED1	LED2	LED3	LED4
<25	Charging	●	●	●	●
	Idle	●	●	●	●
<50	Charging	●	●	●	●
	Idle	●	●	●	●
<75	Charging	●	●	●	●
	Idle	●	●	●	●
>75	Charging	●	●	●	●
	Idle	●	●	●	●

This SOC is for user reference for 24V system: each data\*2

● Float Flashing ● Steady On

**3) Key Operation**

Function Key	System Mode	Operation	Operation indication
SET & ENTER	View Mode (LCD only)	Long Press	Enter Set Mode
		Short Press	Screen Page Switch
SET & ENTER	Set Mode (Battery LED only)	Long Press	Enter Next Set Item or Exit Set Mode And Save
		Short Press	Edit Parameter

**4) Battery Type Setting**

System mode	Describe
View Mode	● The current battery type is selected
Set Mode	● The current battery type is selected

**5) Charge Step For Different Battery**

Equalize Charge Voltage	GEL	AGM	LiFePO <sub>4</sub>
	-	14.6V	-
Boost Charge Volt.	GEL	14.2V	-
	AGM	14.4V	-
	LiFePO <sub>4</sub>	14.4V	-
Float Charge Volt.	GEL	13.8V	-
	AGM	13.8V	-
	LiFePO <sub>4</sub>	-	-

for 24V system: each data\*2

### Warning and Caution

- ▶ Solar Panel: recommend 18V for 12V system, and 36V(single 36V panel or2 units 18V panel in series) for 24V system. Please do not arbitrarily use in series. Do not exceed PV Voc.
- ▶ The PV Voc cannot exceed 25V for 12V system and 55V for 24V system. Otherwise the product may be damaged.
- ▶ Charging start condition: PV voltage is higher than battery voltage.
- ▶ The products should be used within rated power and voltage range.
- ▶ Avoid placing solar panels in partially sunny or shaded environments.
- ▶ Keep controller away from water.
- ▶ Avoid direct sunlight.
- ▶ Keep good heat dissipation.

### Error Code

Code	Error
E00	No Error
E01	Over-Discharge
E02	Battery Over Voltage
E06	Device Over Heating
E10	PV Over Voltage
E13	Solar Reverse Polarity
E14	Battery Reverse Polarity