

# **Solar Charger**

## User Manual

Solar Charger Sun-Powered battery with flashlight

## How to charge:

### A. Use adapter or computer to power supply charging:

1. Connect the USB cable to the adapter or computer;
2. Insert the Micro USB(Type C/Lightning) cable to the power bank Micro(Type C/Lightning) input port;
3. LED indicator lights on and flash, which mean it is charging;
4. All four LED indicator lights on and steady, which means it is fully charged.

### B. Solar charging

Under the sunshine(avoid high temperature) or strong light environment, the solar power bank can charge itself without any operation, and the solar-charging indicator light turns green and steady lighting. Please charge the power bank with the adapter when it under the self-protection mode that can not be used or turned on.

## Button function:

(1)The operation of LED lights:

First, long press the power button until the LED lights turn on(steady light mode);

Next, press the button shortly, LED lights flash slowly, then one more short press, it will turn to the SOS emergency mode and the LED lights flash rapidly;

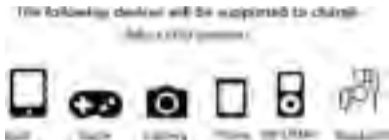
Finally, short press the button, the LED lights will turn off. Long press the button in any light mode, the LED lights will turn off.

Power level	LED indicator	Capacity
100%	●●●●	100%
75%	●●●○	75%
50%	●●○●	50%
25%	●●○●	25%
0%	●●○●	0%

## Using this item for digital products charging:

The LED indicator lights 4 will on when charging the digital equipment as well as the digital equipment on the charged status. And the power bank will stop to charge once the digital equipment is full-charged.

**Attention:** Please do not use the power bank when it shows very low power.



## Built-in PCB has multi-intelligent protection

### 1. Temperature Protection:

With thermistor and temperature-control processing mechanism, ensure the power bank can be used at a safe temperature.

### 2. Input/output over-voltage protection:

OVP circuit processing can prevent input/output over-voltage and avoid damage to the back-end circuit.

### 3. Short circuit protection:

With fuse device can self-protection automatically and prevent the main-board and battery from damage once an abnormal short circuit happens.

#### 4. Battery overcharge or discharge protection:

With Japanese special lithium-ion electricity protection device, can effectively prevent the battery from overcharge, discharge and damage.

#### 5. Output over-current protection:

Intelligent self-check, once the output current beyond the maximum, the power bank will stop to output to protect the chargers equipment.

### **Attention:**

1. The advantage of polymer lithium-ion Cell depends on its strong cycle and high capacity. The capacity of polymer lithium-ion cell will be 20% larger than the lithium-ion cell in the same size. In the state of stable current output, polymer lithium-ion cell not only has the strong cycle service but also the soft shell. Which can protect you once the cell bias caused by short circuit.

2. The waterproof rating of this solar charger is IP65, it can be used in wet environments or rainy days, but should not drop it into water.

### **Warm Prompt:**

Solar charging is a charging way for emergency use, and solar panel charging efficiency will be influenced by natural conditions and random factors, such as day and night, winter and summer, geographical latitude and height above sea level, sunny, rainy and so on, please don't rely on solar charging or regard it as the main charging way, please charger it by wall plug for daily use.

## Caution

- In order to fully activate the battery, please charge it via outlet or computer for at least 10 hours during the first 2-3 uses.
- Do not drop, knock, or disassemble the product.
- Keep away from fire, heat sources, or high temperature to avoid shortened lifespan or damage to the product.
- Do not store near metal objects.
- Avoid exposure to static electricity, strong magnetic fields, and radiation.
- Stop using the power bank if you notice an unusual smell, heating, distortion, or any other abnormalities.
- Keep out of reach of children.
- Keep away from water, liquids, and moist environment.
- Dispose of the product according to the local recycling and environmental regulations.
- Do not throw, hit or strongly shake the product.
- The USB cable in the package is only used to charge the solar charger. It is not recommended to charge other devices, which may slow down the charging efficiency due to incompatibility.



**Do not leave the solar charger in your vehicle or other high temperature environment as the heat will affect the battery life and cause safety problem**

**Package Contents:**

- 1 x Solar Charger
- 1 x Micro USB Cable
- 1 x User Guide