

20000mAh Solar Charger User Manual



Solar Charger **20000**mAh Sun-Powered battery with flashlight

Model:S1008D



Product Diagram

- 1) Dual output Ports
- 2) Micro USB Input
- 3) Type-C Input
- 4) LED Indicators
- 5) Waterproof cover

- 6) Power/Flashlight Button
- 7) Solar Panel
- 8) LED Flashlights
- 9) Wireless Charging Area
- 10) Lanyard Hole

Specification

Model	S1008D
Sun-powered Panel	5V/200mA (effected by the intensity of sunlight)
Battery Type	Lithium Polymer
Capacity	20,000mAh/37 Wh
Operation Temperature	-10~50 °C
Flashlight Work Time	27 to 37 Hours
Type C/Micro USB Input	5V/2.0 A
USB Output	5V/2.1 A (Max)
Charging time	4-6 Hours (by a 5V/2A charger) a few days (by solar charging, depends on weather)
Dimensions	159.3x80.5x25mm/6.27x 3.17 x 0.98 in
Weight	310g /10.93 oz

Package Contents:

- 1 x 20000mAh Solar Charger
- 1 x Micro USB Cable
- 1 x Free nylon Lanyard
- 1 x User Guide
- 1 x Carabiner

How to charge the solar power bank

A. Charge the power bank by power adapter or computer:

1. Connect the USB cable to the adapter or computer.
2. Insert the Micro USB/Type C) cable to the power bank Micro/Type C input port. The Type C port is only for recharging the power bank.).
3. LED indicator lights on and flashes, which means it is charging.
4. All four LED indicator lights are on and steady, which means it is fully charged.

B. Charge the power bank by sunshine

The solar power bank will be automatically recharged when the solar panel is placed directly in the sun (NOTE: Do not expose it to extreme temperatures). The first LED indicator lights up green when the power bank is being charged by the solar panel, and glows blue during charge by the power socket. When all four LED indicators stay lit, it means that the power bank is fully charged. (Recommend to use for emergency)

How to use the flashlight:

- 1) Press and hold the power button for about 2 seconds, the flashlight turns on (steady light mode).
- 2) After the flashlight is on, short press the power button once, the SOS emergency mode. Short press it again, the flashlight blinks slowly. And short press the power button once more, the flashlight turns off.
- 3) The flashlight turns off when you press and hold the button for about 2 seconds in any lighting mode.

Battery Level Indicators

●Indicator On ○Indicator Off	Capacity
○ ○ ○ ○	0%
● ○ ○ ○	1%~25%
● ● ○ ○	25%~50%
● ● ● ○	50%~75%
● ● ● ●	75%~100%

The LED indicator lights up when using the power bank to charge your digital device. The power bank will stop charging when the digital device is fully charged.

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

The following devices will be supported to charge
(Most USB devices)



Ipad



Game



Camera



Phone



MP3/MP4



Bluetooth

Multi-intelligent Protection Mechanism:

1. Temperature Protection;

The thermistor and temperature control mechanism ensures that the power bank operates within a safe temperature range when charging the digital device.

2. Overvoltage Protection:

The OVP circuit design can prevent overvoltage during the charge and discharge processes of the power bank, thus avoiding damage to the back-end circuit.

3. Short Circuit Protection

The fuse device provides self-protection against motherboard and battery damage when a short circuit fault occurs.

4. Battery Overcharge or Over-discharge Protection:

The use of Japan's lithium-ion electric protection device can effectively prevent the batteries from excessive charging and discharging.

5. Output Overcurrent Protection:

It is a smart safeguard design that stops charging to protect digital devices when the output current of the power bank exceeds the maximum value.

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 charge 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 place the solar charger in the vehicle or environment with high temperatures. Otherwise, the battery life will be affected and cause a safety hazard due to the heat source.

Customer Service

The solar charger provides a 90-day warranty and lifetime technical support.

If you are not satisfied with the product or have any problem with it, please feel free to contact our professional Customer Service Team or After Sales Support Team, we will help you as soon.