

太阳能无线充移动电源说明书

产品介绍

· 本产品为便携式太阳能移动电源，支持 QC2.0 / QC3.0 输出快充协议、FCP/AFC/SFCP 输入输出快充协议、MTK PE+ 1.1&2.0 输出快充协议、USB C/PD2.0/PD3.0 输入输出协议、USB C PD3.0 PPS 输出协议、兼容 BC1.2/ 苹果 / 三星手机 ,产品充电输入端为 Micro USB 及 TYPE-C 接口 ,采用恒流恒压充电方式对内置电池充电；放电输出端 USB2、USB3、USB4 为普通输出 5V/3A、USB1: 支持 QC2.0/QC3.0 DC5V/3.0A 9V/2A 12V/1.5A ,TYPE-C 输入 :DC5V/3A 9V/2A ,输出：DC5V/3.0A 9V/2A 12V/1.5A ,支持 PD2.0/PD3.0 PPS FCP AFC SFCK MTK 双向快充协议。USB1 及 TYPE-C 为快充接口，同时使用两个及以上输出接口时，只支持 5V 输出。可为各品牌手机、IPAD、PSP、MP3/MP4、掌上电脑等多种数码产品供电和充电。

· 采用最新智能快充放电管理芯片，效率高达 90% ,多重智能保护功能，使用安全 / 可靠，超低自耗。

· 内置大容量锂离子电池，超长续航。

规格参数

输入:Micro Input: DC 5V/2A 9V/2A
TYPE-C Input: DC 5V/3A 9V/2A
Solar Charging:DC 5V/1.5W
输出:Output1: DC 5V/3A 9V/2A 12V/1.5A
Output2/3/4: DC 5V/3A
TYPE-C Output: DC 5V/3A 9V/2A 12V/1.5A
无线输出：10W

功能指示

- 1 太阳能电池板
- 2 挂绳孔
- 3 太阳能充电指示灯
- 4 USB输出口1/2/3/4
- 5 USB防护硅胶塞
- 6 Micro / TYPE-C 接口
- 7 电量指示灯
- 8 按键开关
- 9 LED照明灯
- 10 无线充指示灯
- 11 无线充

按键操作说明

关机时单击唤醒无线充电功能，同时红灯快闪3次后长亮表示无线充已启动；此时检测到正确的无线充接收端或负载会亮绿灯；充满后无线充指示灯灭；

双击开启或关闭LED照明灯；在LED照明灯开启状态下，状态有四种：高亮、低亮、爆闪、SOS，单击按键依次切换。

适配器充电

当外置DC电源通过micro USB或是TYPE-C接入本产品时，产品将对内置电池充电，4颗蓝色LED自动点亮显示产品当前电量，具体如下表：

产品充电时	1灯闪，2、3、4灯灭	电量25%以下
	1灯常亮，2灯闪，3、4灯灭	电量25%-50%
	1、2灯常亮，3灯闪，4灯灭	电量50%-75%
	1、2、3灯常亮，4灯闪	电量75%-100%
产品充满后	4个灯常亮	电量100%

太阳能充电

当产品太阳能电池板接受太阳光照时，太阳能板45°接受阳光照射效果为最佳，内置充电电路自动给内置电池

充电，电量灯旁边太阳能充电专用指示灯翠绿色常亮显示，代表太阳能板正在为电池进行充电。查看电量需按下产品按键（备注：实际显示电量可参考“电量查看”）。

电量查看

常态下，短按产品侧面按键，产品启动为USB输出端供电，LED电量指示灯如下表所示显示电量；未接入负载30秒后，产品关机进入待机状态。

查看电量	4个灯常亮	电量75%-100%
	3个灯常亮	电量50%-75%
	2个灯常亮	电量25%-50%
	1个灯常亮	电量10%-25%
	1个灯闪	电量10%以下

给数码设备充电

- 1、短按产品侧面按键，产品启动为USB输出端供电，此时用数码设备充电线连接本产品及数码设备即可对数码产品充电。（产品工作指示参考“电量查看”）
- 2、产品待机状态下，用数码设备充电线连接数码设备后再连接本产品，本产品可在不按按键的情况下自动启动对数码产品充电。
- 3、当输出USB端口均未接入被充电设备30秒后或被充电设备充满后，产品将关闭所有输出及电量显示，进入低功耗待机状态。

无线充

短按按键进入无线充充电状态，在单纯使用无线充功能时，最大可以输出10W为你的产品进行充电，USB1、USB2、USB3、USB4、TYPE-C同时使用或电流在2.5A范围内，则无线充会自动切换为5W。若大约3A时无线充会自动关闭。

LED灯

任何状态下双击按键打开2个LED灯照明，在LED照明灯开启状态下，状态有四种：高亮、低亮、爆闪、SOS，单击按键依次切换。

保护功能

输入欠压欠流保护

若使用实际规格不足5V/2.1A的适配器对本产品充电时（如5V/1A适配器），本产品会自动适应适配器的输出电流(自动减小对内置电池的充电电流)，以防止损坏适配器。产品在进行充电时不支持放电输出。

输入短路保护

若因使用不当或其它因素导致产品输入端短路（如产品充电线破损短路），产品会自动关断充电回路，防止产品损坏及电池电量倒灌。

输出过流保护

若因使用不当或其它因素导致任意一路USB输出电流大于3.2A，产品将自动关闭输出以保护被充电设备及产品自身，当短路解除后，需充电激活或重新按键启动。

输出短路保护

若因使用不当或其它因素导致任意一路USB输出端短路时，产品将自动关闭输出以保护被充电设备及产品自身，当短路解除后，需充电激活或重新按键启动。

注意事项

- 1.请勿将本产品置于过高的温度环境内（如受阳光暴晒的密闭汽车内、散热器、炉灶或其它高热源设备附近），过高的温度可能造成产品的损坏，甚至威胁您的安全。
- 2.产品内有精密电子元器件，非专业人士不可拆卸本产品，以免误伤您自己或损坏产品。
- 3.产品内部有锂离子电池，请留意使用当地法律法规，不可随意丢弃，勿暴露于过热的环境下，如：阳光、火或类似因素。注意回收。

批准：

审核：

编制：



Solar Charger Power Bank Use Manual

Product introduction

· This product is a portable solar charger power bank. It supports QC2.0/QC3.0 Output Fast Charging Protocol, FCP/AF-C/SFCP Input and Output Fast Charging Protocol, MTK PE+1.1&2.0 Output Fast Charging Protocol, USB C/PD2.0/PD3.0 Input and Output Protocol, USB C PD3.0 PPS Output Protocol, compatible with BC1.2/Apple/Samsung Mobile Phone. The charging input terminal of the product is micro USB, TYPE-C interface and solar energy input, using constant current and constant voltage charging mode to charge the built-in battery; USB2, USB3,USB4 is a normal output 5V/3A; USB1: supports QC2.0/QC3.0 DC5V/3.0A 9V/2A 12V/1.5A; TYPE-C input: DC 5V/3A 9V/2A, output: DC 5V/3.0A 9V/2A 12V/1.5A, supports PD2.0/PD3.0 PPS FCP AFC SFCK MTK bidirectional fast charging protocol. USB1 and TYPE-C are fast charging interfaces, and only 5V output is supported when two or more output interfaces are used at the same time. It can supply power and charge for various brands of mobile phones, IPAD, PSP, MP3/MP4, PDA and other digital products.

· Using the latest intelligent fast charge and discharge management chip, the efficiency is up to 90%, multiple intelligent protection functions, safe/reliable use, ultra-low self-consumption.

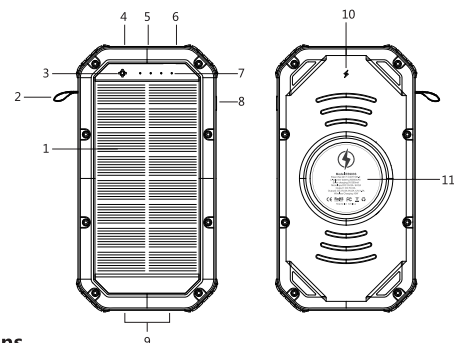
· Built-in large capacity lithium-ion battery, ultra-long endurance.

Specifications

Micro Input: DC 5V/2A 9V/2A
TYPE-C Input: DC 5V/3A 9V/2A
Solar Charging:DC 5V/1.5W
Output1: DC 5V/3A 9V/2A 12V/1.5A
Output2/3/4: DC 5V/3A
TYPE-C Output: DC 5V/3A 9V/2A 12V/1.5A
Wireless Output: 10W

Functions display

- 1, Solar panel
- 2, Lanyard
- 3, Solar charging indicator
- 4, USB Output port 1/2/3/4
- 5, USB silica gel plug for protection
- 6, Micro/Type-C input port
- 7, Power indicator
- 8, Power switch/shift
- 9, LED lighting
- 10, Wireless Charger indicator
- 11, Wireless Charger



Power ON/OFF button operation instructions

When the power is off, click to turn on the wireless charging function and wake up the output function of each port, and display the battery power. At the same time, when the red light flashes three times, the long light indicates that the wireless charging has started. At this time, it is detected that the correct wireless charging and receiving terminal or load will turn on the green light and breathe; when the wireless charging and indicating lamp is full, it will turn off.

Double-click to turn on or off the LED lights. In the state of the LED lights on, click the button to switch to high, low, flashing, and SOS.

Adapter charging

When the external DC power supply is connected to the product through micro USB or TYPE-C, the product will charge the built-in battery. Four blue LEDs will automatically light up the current power of the product, as follows:

Power	LED1	LED2	LED3	LED4
100%	on	on	on	on
75%~99%	on	on	on	flash
50%~75%	on	on	flash	off
25%~50%	on	flash	off	off
0%~25%	flash	off	off	off

Solar panel charging

When the product solar panel receives sunlight, the best way to receive sunlight illumination is in 45 degrees. The built-in charging circuit automatically charges the built-in battery. The solar indicator light is always green, which indicates that the solar panel is charging the battery. To view the power consumption, press the power ON/OFF button (Note: Actual display power can refer to "Power View") to view the power consumption.

Power volume review

Normally, just short press the Power ON/OFF button at the side of the product, and the product starts to supply power to the USB output. The LED power indicator shows the power volume as shown in below table. After 30 seconds of not connecting to the load, the product shuts down and enters standby state.

Power	LED1	LED2	LED3	LED4
75%~100%	on	on	on	on
50%~75%	on	on	on	off
25%~50%	on	on	off	off
10%~25%	on	off	off	off
0%~10%	flash	off	off	off

Charging Digital Equipment

1. Short press the Power ON/OFF button to start the product to supply power to the USB output. At this time, the product and the digital device can be charged by connecting the charging cable of the digital device to the product and the digital device. (Product work instructions refer to Power volume review)
2. When the product is standby, connect the digital device with the charging cable of the digital device and then connect the product. The product can automatically start charging the digital product without pressing the button.
3. When the output USB ports are not connected to the charged device for 30 seconds or when the charged device is full, the product will turn off all output and power display and enter a low power standby state.

Wireless Charging

Press the button to enter the wireless charging state. When using the wireless charging function alone, the maximum output can be 10W to charge your product. When USB1, USB2, USB3, USB4 and TYPE-C are used at the same time or the current is in the range of 2.5A, the wireless charging will automatically switch to 5W. If the wireless charge is more than 3A, it will automatically turn off.

LED Lights instruction

Double-click the Power ON/OFF button to turn on the LED lights when the illumination lamp is off. Click the button to switch to high, low, flashing, and SOS.

Protection function

Input undervoltage undercurrent protection

If the adapter with actual specifications less than 5V/2.1A is used to charge the product (such as 5V/1A adapter), the product will automatically adapt to the output current of the adapter (automatically reduce the charging current of the built-in battery) to prevent damage to the adapter. The product does not support discharge output when charging, but it can discharge when solar charging input.

Input Short Circuit Protection

If the product input short circuit is caused by improper use or other factors (such as product charging cable breakage short circuit), the product will automatically shut off the charging circuit to prevent product damage and battery power backfilling.

Output Overcurrent Protection

If the output current of any USB is more than 3.2A due to improper use or other factors, the product will automatically turn off the output to protect the charged device and the product itself. When the short circuit is removed, if the flashing of the button power display is extinguished after four times, it needs to be charged and activated again to start the discharge.

Output Short Circuit Protection

If any USB output is short-circuited due to improper use or other factors, the product will automatically turn off the output to protect the charged device and the product itself. When the short circuit is removed, if the flashing of the button power display is extinguished after four times, it needs to be charged and activated again to start the discharge.

Warnings:

DO NOT put this product under the over heating environment(such as inside the airtight car which is under great sunlight heating, Radiators, Stoves and any other equipment or devices which produce high temperature). The over heating would probably damage the product or even cause any potential threaten to the safety of human life.

The product is consisted of sophisticated electronic components, non-professionals can not disassemble the product, to avoid accidentally hurting yourself or damaging the product.

There are lithium-ion batteries inside the product. Please pay attention to the use under the local laws and regulations, can not be discarded, pay attention to recycling. DO NOT put the disposal battery under the over heating environment like strong sunlight , fire ,or any other similar conditions.

批准：

审核：

编制：

FCC Statement

This device complies with part 18 of the FCC Rules. Operation

is Subject To the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Changes or modifications not explicitly approved by the party responsible for compliance could void the user's authority to operate this equipment.

Note: this equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 18 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 18 of the FCC Rules. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Increase the separation between the equipment and any other radio device.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.