

646N0980001_主机说明书(英)_V1.01

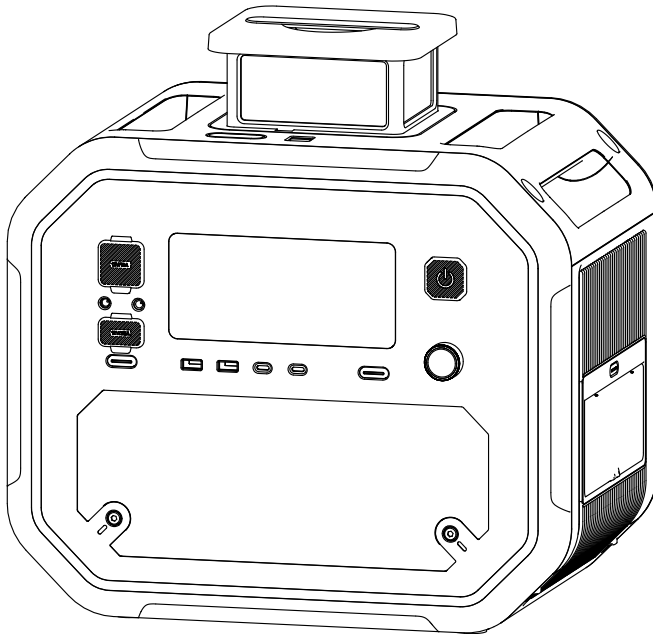
材质:128g铜版纸,单黑双面印刷;

装订方式: 骑马订;

成品尺寸: 145*210mm;

2500W Portable Power Station

User Manual



Hi dear, thank you very much for purchasing and experiencing the 2500W portable power station. Before operating this product, please carefully read the user manual for proper operation.

According to the transportation requirements of the international customs for battery products, the battery level of this product is only less than 30% when it leaves the factory. Please fully charge the product after unpacking it to start the experience tour of 2500W.



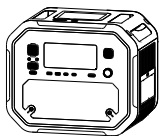
Precautions For Use

1. Please avoid long-term storage and use of this product in environments with high temperature and humidity or direct sunlight to avoid shortened battery life and other failures. The product should not be close to the fire source, otherwise it may cause a major fire or accident.
2. This product must not be disassembled or modified. Improper operation may cause product malfunction or even fire.
3. Be careful not to drop the product.
4. Please store or use this product out of the reach of children, otherwise the product may be dropped or collided and cause bodily injury to children.
5. Please use our original accessories, and we will not guarantee the defective products caused by the use of non-original accessories.
6. Please directly plug in the wall socket to charge the product, do not use extension cords or cable taps, otherwise there is a risk of damage to the extension cords and cable taps or even a fire; If the extension socket is plugged in to charge this product, please do not connect other electrical appliances to this socket, otherwise the household meter may trip.
7. When the product is not in use or idle, please turn it off and unplug the power cable. If it needs to be idle for a long time, please consume the product from a fully charged state to an uncharged state, then recharge it to about 50% of the battery level and store it. In order to prolong the life of the product, please take three months as a cycle, operate and keep it in this way.
8. If the product reaches scrap conditions, please discard or recycle the product in accordance with local laws.

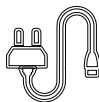
Contents

■ Packing List	01
■ Product Introduction	01
■ Button Function Introduction	03
■ Introduction Of Display Interface	07
■ Troubleshooting Table	08
■ UPS Mode	09
■ Battery Pack Connection Instructions	10
■ Connection Of Solar Panels	11
■ Car Charging	12
■ Product Parameter	13
■ Battery Specifications	13
■ Warranty Card	14
■ Disclaimer	15

Packing List



Portable Power Station



AC Charging Cable



User Manual



Car Charging Cable
(Optional Accessories)



Solar Charging Cable
(Optional Accessories)

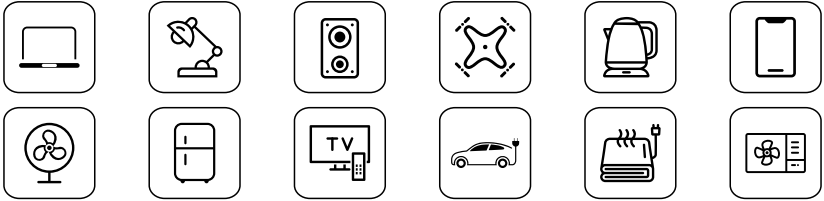
Product Introduction

This product is a portable power device with a built-in battery pack with charge/discharge function. It includes both AC output interface and DC output interface such as USB output, cigarette lighter output, DC output, etc. It also has functions such as display, interface control, protection, and alarm. Moreover, this product can be charged by mains AC, solar panels and vehicle charging.

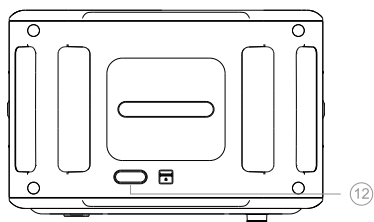
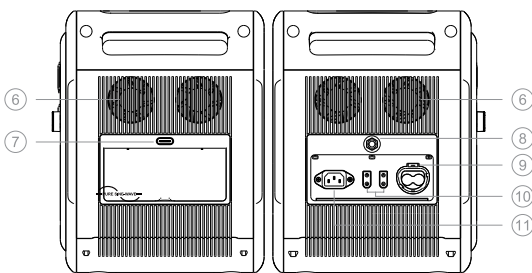
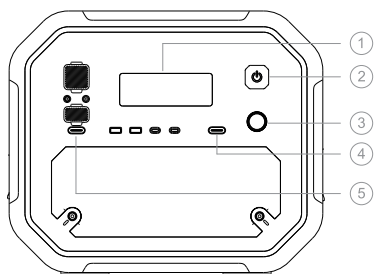
The following are the main features of this product:

- Equipped with LiFePO4 battery, the battery capacity is as high as 2160Wh, and the safety level is extremely high.
- 2500W pure sine wave AC output can meet almost all daily electronic equipment and small household appliances.
- Two-way fast charging technology is adopted to fully charge the product within 1.5 hours.
- A great variety of output interfaces such as USB-A, Type-C PD3.0, DC5521, XT60, cigarette lighter output, etc., meet many different application scenarios.

- In UPS mode, the switchover time is less than 10ms which is truly seamless switching.
- IP54 waterproof grade, all interfaces are designed with dust-proof and water-proof.
- Multiple protection mechanisms such as battery, circuit, structure, etc., guarantee the product safety.



Button Function Introduction



1. LCD Display
2. Main Power Control
3. Input Power Adjustment
4. USB Control
5. DC Control
6. Air Intake/Outlet
7. AC Output Control
8. Overload Protection
9. Parallel Port
10. XT90 Input Port
11. AC Input Port
12. Light Control

① LCD Display

Display the product's battery level and usage status tips.

② Main Power Control



Instructions: Press and hold the power button for 3S to turn on/off the whole system.

③ Input Power Knob

When the product is connected to the AC mains for charging, the power is adjusted according to the actual input voltage. The clockwise rotation increases the input power, and the counterclockwise rotation decreases the input power. It is worth noting that charging this product at low power is beneficial for extending battery life.




④ USB Control

Instructions: Short press the USB button to turn on the USB output port, and short press again to turn it off.

 USB-A ×2 QC 3.0 18W	 TYPE-C ×2 PD-140W
---	---

⑤ DC Control

Instructions: Short press the DC button to turn on the DC output port, and short press again to turn it off.

 DC output ×2 12V/3A	 Cigare port ×1 12V/10A	 XT60 ×1 12V/25A
---	--	---

⑥ Air Intake/Outlet

When the product reaches the temperature threshold set by the system, the cooling fan will automatically run, accompanied by a certain fan noise (fan noise below 60dB is normal). Do not block the cooling suction/exhaust port during use of this product, and do not place any object within the range of 30CM.

⑦ AC Output Control

Press the AC button to enable the AC output function. Since there may be differences in the AC output frequency and voltage in different regions, if you need to switch the frequency and voltage, the operations are as follows:

- 1) Press and hold the AC button for 3 seconds to enter the frequency switching mode, the 50Hz or 60Hz icon will flash on the display, short press the AC button again to select 50Hz or 60Hz; when the icon stops flashing and displays 50Hz or 60Hz, it indicates the switch is successful.
- 2) Quickly press the AC button for 10 times to select voltage.

⑧ Overload Protection

When the power supply voltage is unstable due to lightning or other reasons, and there is a large voltage input at the AC Input, in order to protect the product, the overload protection function (safety circuit breaker) will activate and cut off the AC input port.

Please follow the sequence below to restore the AC input function:

- 1) Turn off the power button and unplug all ports.
- 2) After confirming that there is no abnormality in each part, turn on the power button.
- 3) Press the overload protection button, connect the AC Cable to restore the AC input.

⑨ Parallel Port

The capacity expansion need to be accomplished by connecting the parallel cable into the portable power station. This interface can achieve a maximum input and output of 2500W.

⑩ XT90 Input Port

This interface supports solar panel input or car charger input. For details, please refer to "Solar Panel Connection" on page 11 of this manual and "Car Charging" on page 12.

⑪ AC Input Port

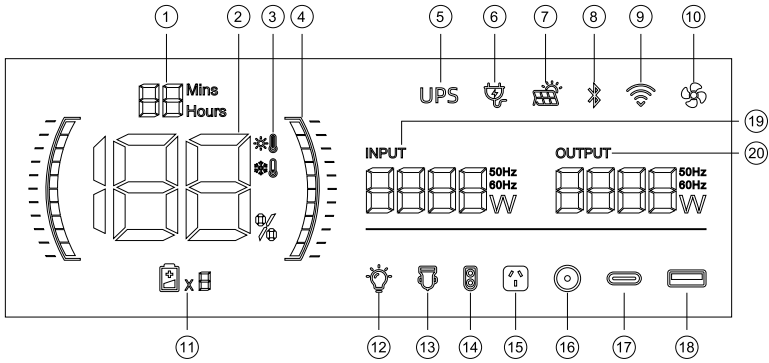
To charge the product by a household socket can achieve 1500W (100-120Vac) / 1800W (220-240Vac) fast charging. It only takes three hours to fully charge from 0 to 100%. When charging in this way please pay attention to the following points:

- ※ Please directly plug in the wall socket to charge the product, do not use extension cords or cable taps, otherwise there is a risk of damage to the extension cords and cable taps or even a fire.
- ※ If the extension socket is plugged in to charge this product, please do not connect other electrical appliances to this socket, otherwise the household meter may trip.

⑫ Light Control

Instructions: Short press the Light button, the LED lights are all on; short press again, the LED light enters the SOS mode, short press in turn, enter the strobe mode, and finally the LED light turns off (LED in any mode, long press the light button for ≥ 1 second directly turn off the LED light)

Introduction Of Display Interface



1. Remaining Discharge Time
2. Battery Level Indicator
3. High/low Temperature
4. Battery Progress Bar
5. UPS Status
6. AC Charging Status
7. XT90 Input Status
8. Bluetooth
9. Wi-Fi
10. Fan Status




11. Extended Battery Status
12. LED Light Status
13. Cigarette Lighter Output Status
14. XT60 Output Status
15. AC Output Status
16. DC Output Status
17. USB-C Output Status
18. USB Output Status
19. Total Input Power
20. Total Output Power

Screen Display Description

Power display: When the product is in the charging state, the battery progress bar rotates continuously in the form of a clockwise marquee, and the battery level percentage gradually increases; when the product battery level is 0, the battery level percentage icon flashes.

Input and output status: When the product is working, the total input power, total output power and the cursor corresponding to the working area will be displayed on the screen.

Troubleshooting Table

Phenomenon	Cause	Processing method
 <p>The above output icon flashes and beeps.</p>	<p>The output exceeds the standard and it's short-circuited.</p>	<p>Remove the load, and then short press the switch in the area corresponding to the icon to remove the alarm.</p>
 <p>The temperature warning icon flashes and beeps.</p>	<p>The temperature of the product is too high or too low.</p>	<p>Take the product out of the charging state, remove all loads, turn the power off, wait for the device to reach a suitable working temperature, then the alarm is removed.</p>
 <p>The icon of connecting to the AC mains flashes and the product cannot be charged.</p>	<p>The charging cable is poorly connected.</p>	<p>The overload protection function is enabled.</p>

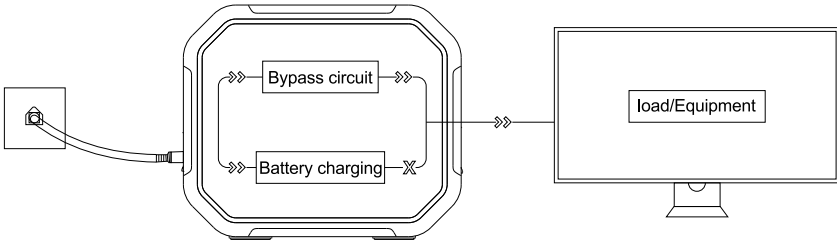
UPS Mode

● UPS Feature

This product has the function of backup uninterruptible power supply. The usage and operation precautions are as follows:

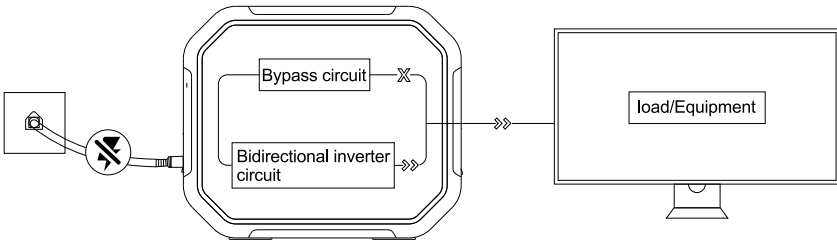
As shown in Pic 1 below, when the product is connected between the wall socket and the electrical appliance, and the power supply and AC switch of the product are in the ON state, the product enters the UPS working mode. The AC mains in the socket supplies power to the electrical appliance through the bypass circuit, and also charges the product. In this working state:

- 1.The rated power of the electrical appliance must be lower than 1500W(only 100-120Vac),otherwise overload protection may be triggered.
- 2.The rated power of the electrical appliance must be lower than 1800W(only 220-240Vac),otherwise overload protection may be triggered.



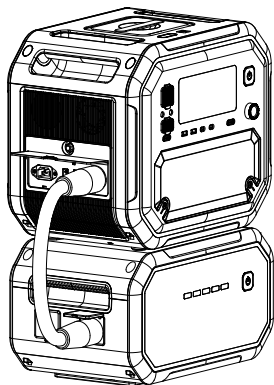
(Pic 1)

As shown in Pic 2 below, when the AC mains at the socket end is disconnected, the bypass output inside the product stops working, the product switches to a bidirectional inverter circuit within 10ms, and the circuit outputs supply power to the electrical appliance to ensure that the electrical appliance is uninterrupted and works normally during the process.



(Pic 2)

Battery Pack Connection Instructions



The power bank (also known as portable source or mobile power pack) can connect to a battery pack via a parallel cable, with a maximum capacity of up to 2160Wh. Please connect the product when both the power bank and the backup battery pack are turned off. After the connection is complete, a connection icon will appear on the screen. Once the connection is successful, the system can start charging or discharging.

During charging and discharging after connection, the system will distribute power based on the remaining power of the devices. When charging, devices with smaller capacities have lower charging power; when discharging, devices with larger capacities have higher output power. If there is no external charging, energy exchange may occur between the power bank and the battery pack.

Precautions

- Please do not plug and unplug the connecting cable when the products is under use, please connect or disconnect these two products when they are turned off.
- Please do not make the connecting ports of the portable power station short-circuited.

Connection Of Solar Panels

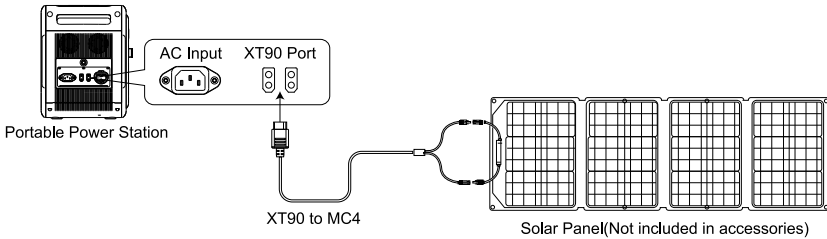
Under the condition of light, this product can be connected to the solar panel and getting charged. The charging power is determined according to the conditions of light and weather.

In this charging mode, we support solar panel input within 600W, and the input voltage cannot exceed 30V, otherwise the product abnormality caused by it will not be covered by the warranty.

- We recommend the following two charging schemes:

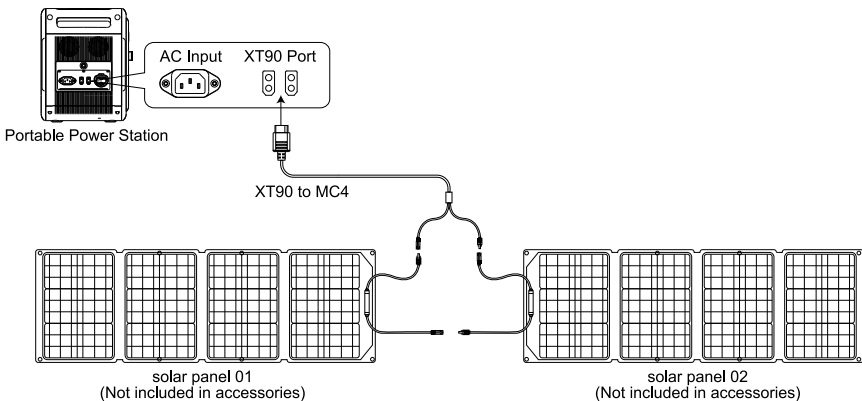
Scheme one

Portable Power Station Charging Area



Scheme two

Portable Power Station Charging Area

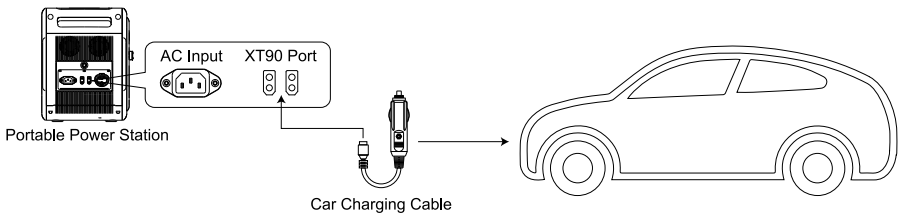


Car Charging

When the car is in the process of starting, connect the car charging port on the car and the product through the car charging cable to charge the product. The connection method is shown in the picture below:

This product supports 12V/24V car charger charging, please pay attention to the following two points when using this method to charge:

- ※ Please use it when the car started, otherwise the car battery may be exhausted.
- ※ Vehicle charging power is usually in the range of 90W-120W, and the charging time is long. If fast charging is required, the AC mains charging is recommended.



Product Specifications

Product Name	2500W Portable Power Station
Dimension	L*W*H=402 * 268 * 336 mm
Weight	21.18kg
Capacity	2160Wh(2*2160Wh MAX 4320Wh)
AC Charging	100-120Vac 1500W MAX; 220-240Vac 1800W MAX
XT90 Input	11.5-55Vdc 25A 600W MAX
AC Output	2500W, 50/60Hz, pure sine wave
USB-A Output	(QC3.0 18W) x2
Type-C Output	(PD140W) x2
DC 5521 Output	12V \Rightarrow 3A x2
XT-60 Output	12V \Rightarrow 25A
Car Charging Output	12V \Rightarrow 10A
Shutdown Current	< 500 μ A
Working Temperature	-10°C-40°C
Environment Humidity	\leq 90%RH
Cycle Times	> 4000 times

Battery Specifications

Cell type	40135 LiFePO4
Rated voltage of single battery	3.2Vdc
Rated capacity of single battery	15Ah
Rated voltage of battery pack	48Vdc
Output voltage range of the battery pack	43.2-57.6Vdc
Rated capacity of battery pack	2160Wh

Warranty Card

Warranty Card	
Name	
Address	
Model	
Serial Number	
Shopping platform	
Tel	
E-mail	
Brand, Order number	
Purchase date	
Filling date	
What is the product failure	
Please fill in all the above items.	

This product comes with a 3-year warranty upon purchase, and an additional 2-year extended warranty is also available.

- If there is a quality problem within the range of normal use, we provide warranty service.
- After purchasing our company's products, please keep this product together with its outer box, pearl cotton, invoices and other items. Since it involves dangerous goods transportation, retaining the outer packaging materials is essential for safe handling. When maintenance services are needed, please provide information according to our company's request.
- In the case where the warranty is damaged or altered, and no stamp of the sales store on the warranty, the warranty service may not be provided.
- Damage caused by use beyond the normal range of use is not covered by the warranty service.
- The content of the warranty scope shall be subject to the content recognized by the company.
- Even within the scope of the warranty, sometimes it will be exchanged for products with the same function. The shipping and repair fees for products outside the warranty range shall be paid by the customer.
- Sometimes the specifications and functions of the product will be updated without prior notice.

Disclaimer

Before use, please read the user manual of this product to ensure full understanding and correct use. After reading, keep the user manual properly for future reference. If you do not operate this product correctly, you could cause serious injury to yourself or others, or result in damage to the product and property. Once you use this product, you are deemed to have understood, recognized and accepted all terms and content of this document. Users undertake to be responsible for their own actions and all consequences arising therefrom. We are not responsible for all losses caused by the user's failure to use the product in accordance with the User Manual.

In compliance with the law, the company has the final right to interpret this document and all related documents of the product. If it is updated, revised or terminated without prior notice, please visit the our official website for the latest product information.

