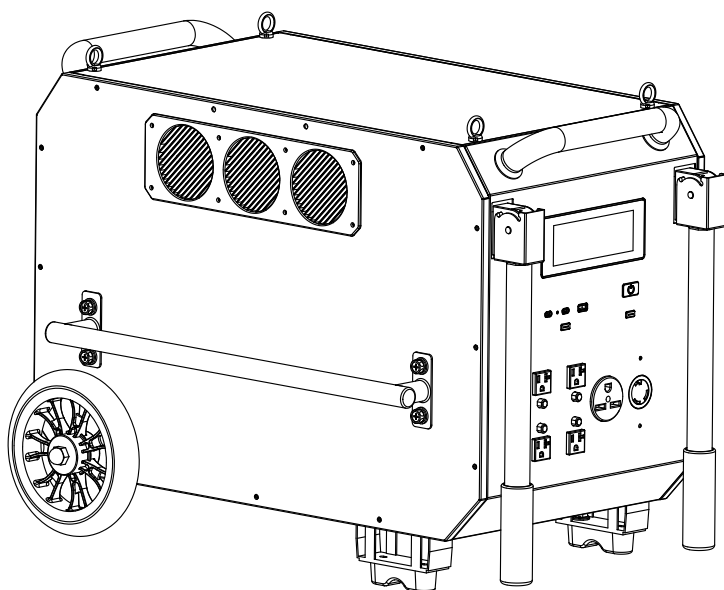


Portable Power Station

User Manual



Hi dear, thank you very much for purchasing and experiencing the 7200W(JPN:6000W) portable power station. Before operating this product, please carefully read the user manual for proper operation.

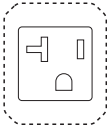

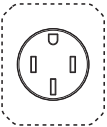
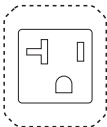



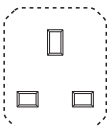

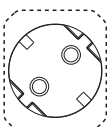
According to the transportation requirements of the international customs for battery products, the battery level of this product is only less than 30% when it leaves the factory. Please fully charge the product after unpacking it to start the experience tour of 7200W(JPN:6000W) .



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 may cause damage to the body of 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 will even be a fire disaster; 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.

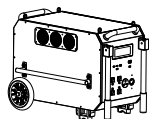
AC Output Parameter

Type of AC port	AC output
 US	120V 50Hz/60Hz
  US	240V 50Hz/60Hz
 JP	100V 50Hz/60Hz
  JP	200V 50Hz/60Hz
 CH	220V 50Hz
 UK	220V~240V 50Hz/60Hz
 EU	220V~240V 50Hz/60Hz
 KR	220V 60Hz

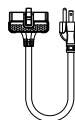
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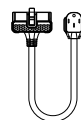
Packing list



Portable Power Station



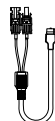
AC Charging Cable
(110V-120V)



AC Charging Cable
(220V-240V)



Cigarette Lighter Output Port
to XT60 Plug Cable
(Optional Accessories)



MC4 to XT90 Plug
Charging Cable
(Optional Accessories)



User Manual

Product Introduction

This is a 7200W portable power station with capacity of 9792Wh, which can be fully charged in 2.5 Hrs with its fast charging function and LiFePO4 battery of high safety performance;

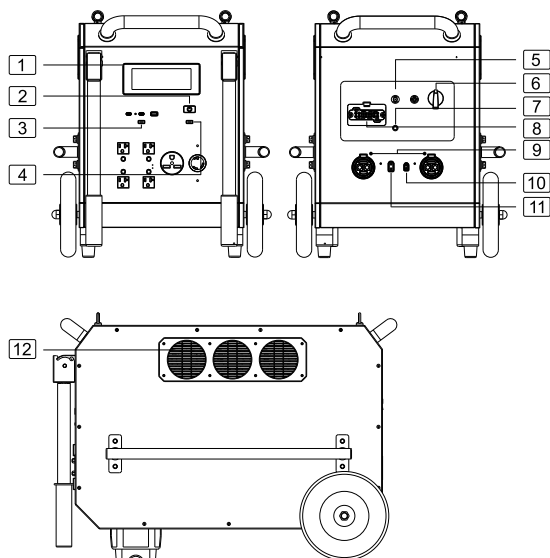
It can be used as backup power supply device for emergency power outage, natural disaster, camping and vehicles, and can also be used for powering various electrical tools.

7200W high power, pure sine wave AC output, can be used for household appliances such as dryers, microwave ovens, refrigerators, high-power induction cookers and it can also be used for other electronic devices such as personal computers.

Through the 5000W ultra-fast charging, this model can be Fully; charged within 2.5 hours, The AC input/output voltage frequency can be automatically or manually switched between 50Hz/60Hz. This product also supports maximum 2500W solar charging charge, allow you to charge even when which can allow or in outdoor situations.



Button Function Introduction



1. LCD Screen
2. Power ON/OFF Button
3. USB ON/OFF Button
4. AC Button
(manually switch to 50/60Hz)
5. High Voltage PV Input
6. Photovoltaic Switch
7. Earthing Bolt
8. AC Input
9. Parallel Port
10. XT60 Input
11. XT90 Input
12. Cooling Fans

① LCD Screen


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

② Power ON/OFF Button

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

③ USB ON/OFF Button

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

		
USB-A×1	TYPE-C×1	TYPE-C×1
QC 3.0	PD-20W	PD-100W

④ AC Button

Tap 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.

Noted:USA/JPN cannot choose voltage.

⑤ High Voltage PV Input

High voltage photovoltaic input MC4 interface, maximum power 2500W, 120V-450V supported.

⑥ Photovoltaic Switch

When connecting or disconnecting the high voltage photovoltaic, please turn the switch off.

⑦ Overload Protection Button

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.

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.

⑧ AC Input

If you use the household socket to charge this product with its fast charging, the power can reach: (1) USA: 1800W(120V), JPN: 1500W(100V), 5000W (200V-240V); (2) EUR: 3000W(230V). It only takes 3 hours to fully charge our product 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 will even be a fire disaster.
- ※ 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.

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 7200W.

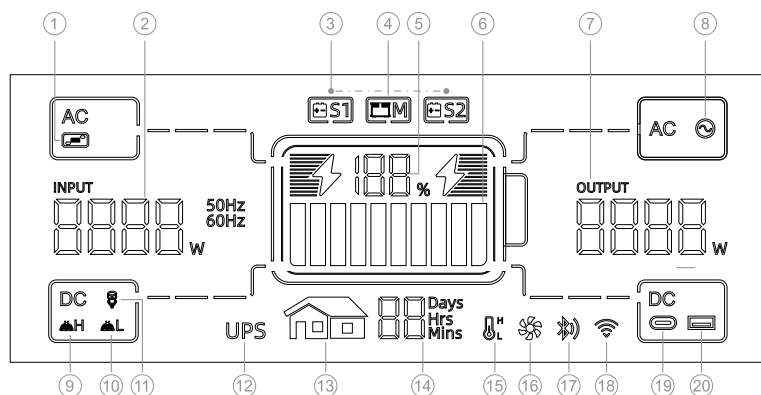
⑩ ⑪ XT60 Input / XT90 Input (Solar Panel Input)

This interface supports solar panel input or car charger input. For details, please refer to "Solar Panel Connection" on page 8 of this manual and "Car/Vehicle Charging" on page 9.

⑫ Cooling Fans

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.

Introduction of Display Interface



- | | |
|-------------------------------|------------------------------|
| 1. AC Input | 11. car charging |
| 2. Total Input Power | 12. UPS |
| 3. Extra Battery Pack (S1、S2) | 13. Off-grid home connection |
| 4. Main Engine Icon(M) | 14. Charge/Discharge Time |
| 5. Power Percentage | 15. High/Low Temperature |
| 6. Power Level Indicator | 16. Fan Status |
| 7. Total Output Power | 17. Bluetooth |
| 8. AC Output Port | 18. Wifi |
| 9. High voltage PV input | 19. USB-C |
| 10. Low voltage PV input | 20. USB-A |





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.

Alarm prompt: See the following troubleshooting table for details.

Troubleshooting Sheet

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>	<ol style="list-style-type: none"> 1.Disconnect the device and restart the product. 2.Replace different electrical equipment to test the machine.
 <p>The temperature warning icon flashes and beeps.</p>	<p>The temperature of the product is too high or too low.</p>	<p>Remove the device and turn the power OFF Wait for the device to reach the appropriate temperature.</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>Check the connection status of the cable and the power supply of the power supply.</p>
 <p>The parallel light blinks.</p>	<p>Parallel failure.</p>	<p>Charge the product with lower battery capacity, or discharge the product with higher battery capacity (until the power difference of these two products is less than 80%), and then reconnect them.</p>

UPS Mode

• UPS Feature

This product has the function of backup uninterruptible power supply.

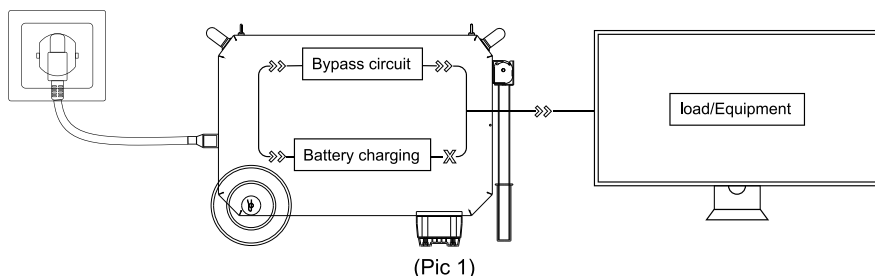
The usage and operation precautions are as follows:

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:

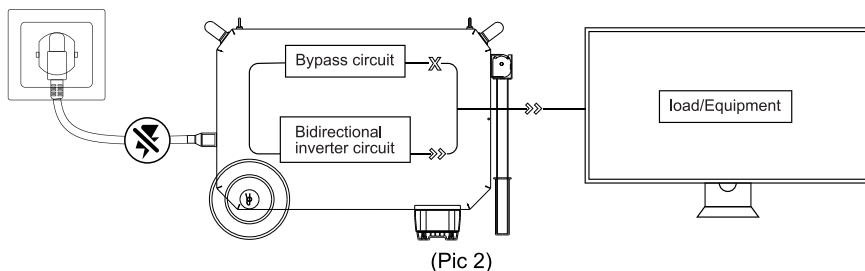
1. The rated power of the electrical appliance must be lower than 1800W(110V/120V) otherwise overload protection may be triggered.

The rated power of the electrical appliance must be lower than 5000W(220V/240V)

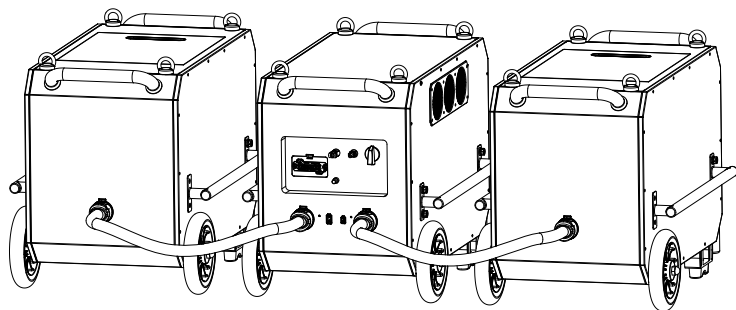
2. EUR 3500W(230V) otherwise overload protection may be triggered.



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.



Battery Pack Connection Instructions



The portable power station can be connected to up to two battery packs through parallel cables, with a maximum capacity of up to 29376Wh. Please connect the product when the portable power station and extra battery pack are turned off. After the connection is completed, there will be icons of S1 and S2 connection displays on the screen. After connecting them successfully, the system can start charging or discharging. When charging and discharging after connection, the power will be distributed according to the left power of the product.

The charging power of the device with lower capacity is small when charging, and the output power of the device with higher capacity is high when discharging. If there is no external charging, energy exchange may occur between the portable power station and battery packs. When the left capacity of them is close, the charging process will stop, and the power will be show on the screen.

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.

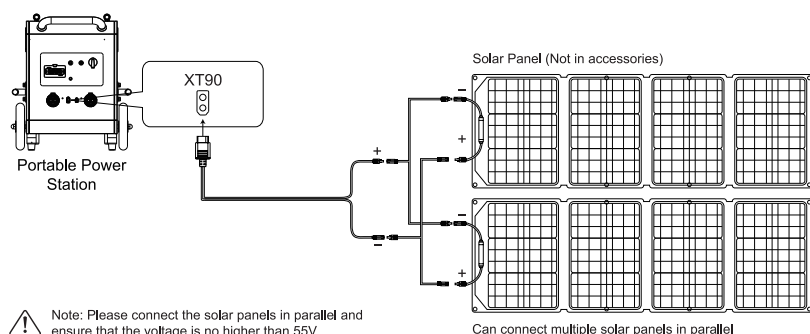
In this charging mode, we support solar panel input within 1200W, and the input voltage cannot exceed 55V, otherwise the product abnormality caused by it will not be covered by the warranty.

We recommend the following two charging schemes:

• Solar panel charging

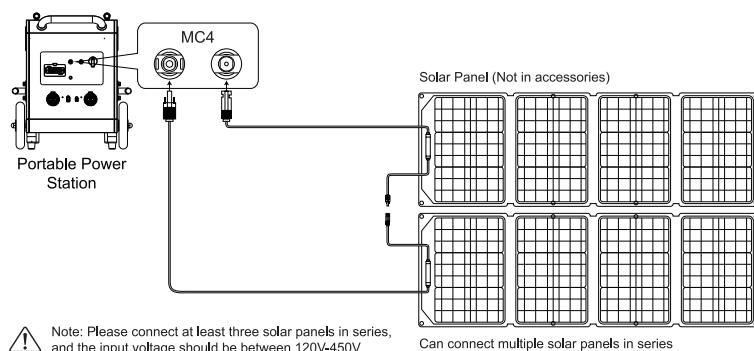
Scheme One

Low voltage PV input (XT90)



Scheme Two

High voltage PV input(MC4)



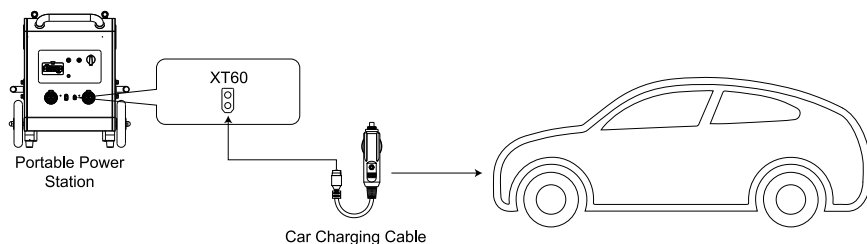
Car/Vehicle Charging

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 do 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	Portable Power Station
Dimension	L*W*H=815*516*591mm
Weight	129Kg
Capacity	9792Wh
AC Input	JPN: 1500W(100V) 5000W(200V) USA: 1800W(120V) 5000W(240V) EUR: 3000W(230V)
AC Output	USA: 3600W*2(120V) 7200W(240V) JPN: 3000W*2(100V) 6000W(200V) EUR: 7200W(230V)
Solar Charging	2500W max(120V-450V) 1200W(12V-55V/30A)
USB-A Output	18W
USB-C Output	100W/20W
Car Charging	12V-30V 10A
Shutdown Current	<500uA
Working Temperature	-10~40°C
Environment Humidity	≤90%RH
Cycle Times	>6000 times

Battery Specifications

Cell type	LF100LA
Rated voltage of single battery	3.2V
Rated capacity of sigle battery	102Ah
Rated voltage of battery pack	48V
Output voltage range of the battery pack	40V~54V
Rated capacity of battery pack	9792Wh

Warranty Card

Warranty Card	
Name	
Address	
Tel	
Mail	
Brand , Order number	
Buying date	
Fill in the date	
What is the product failure	
Please fill in all the above items.	

This product provides a 24-month warranty service from the date of purchase

- 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 invoices and other items. 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 our official website for the latest product information.

FCC Warning

This device complies with part 15 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.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 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 equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.