

# USER MANUAL

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## Portable Power Station

- Thank you for purchasing portable power station.
- Please read the user manual carefully and follow the instructions in the manual to use the power station correctly.
- If you have any questions, please contact us.

# CATALOG

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# SAFETY INSTRUCTIONS

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## CAUTION

A photovoltaic panel charging the internal battery shall be compatible with an inverter and/or a charge controller in accordance with UL 1741 or UL 62109-1;

The external power supply shall be in accordance with the Standard UL 60950-1 and CAN/CSA C22.2 No. 60950-1, or UL 1310 and No. 1, CAN/CSA C22.2 No. 223, or No.1, CAN/CSA C22.2 No. 223;

A car power adapters standard that complies with the enclosure and points required by the Standard for Vehicle Battery Adapters, UL 2089, and power supply standard, CAN/CSA C22.2 No. 107.1. The connector plug shall incorporate a fuse or other protective device having a current rating not larger than 15 A.

## WARNING

INSTRUCTIONS PERTAINING TO RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS

When using this product, basic precautions should always be followed, including the following:

- a) Read all the instructions before using the product.
- b) To reduce the risk of injury, close supervision is necessary when the product is used near children.
- c) Do not put fingers or hands into the product.
- d) Use of an attachment not recommended or sold by power pack manufacturer may result in a risk of fire, electric shock, or injury to persons.
- e) To reduce risk of damage to the electric plug and cord, pull the plug rather than the cord when disconnecting the power pack.
- f) Do not use a battery pack or appliance that is damaged or modified. Damaged or modified batteries may exhibit unpredictable behavior resulting in fire, explosion or risk of injury.
- g) Do not operate the power pack with a damaged cord or plug, or a damaged output cable.
- h) Do not disassemble the power pack, take it to a qualified service person when service or repair is required. Incorrect reassembly may result in a risk of fire or electric shock.
- i) To reduce the risk of electric shock, unplug the power pack from the outlet before attempting any instructed servicing.

# SAFETY INSTRUCTIONS

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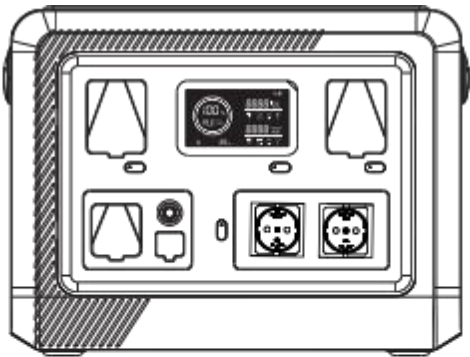
## RISK OF EXPLOSIVE GASES

To reduce risk of battery explosion, follow these instructions and those published by battery manufacturer and manufacturer of any equipment you intend to use in vicinity of the battery. Check caution mark on these products and on engine.

## PERSONAL PRECAUTIONS

- 1) Have plenty of fresh water and soap nearby in case battery acid contacts skin, clothing, or eyes.
- 2) Wear complete eye protection and clothing protection. Avoid touching eyes while working near battery.
- 3) If battery acid contacts skin or clothing, wash immediately with soap and water. If acid enters eye, immediately flood eye with flowing cold water for at least 10 minutes and get medical attention immediately.
- 4) NEVER allow smoking spark or flame in vicinity of battery or engine.
- 5) Be extra cautious to reduce risk of dropping a metal tool onto battery. It might spark or short-circuit battery or other electrical part that may cause explosion.
- 6) When charging the internal battery, work in a well ventilated area and do not restrict ventilation in any way.
- 7) Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help. Liquid ejected from the battery may cause irritation or burns.
- 8) Do not expose a power pack to fire or excessive temperature. Exposure to fire or temperature above 265°F(130°C) may cause explosion.
- 9) Have servicing performed by a qualified repair person using only identical replacement parts. This will ensure that the safety of the product is maintained.

# PACKING LIST



Portable power station



User manual



AC charging cable



Car charging cable



Solar charging cable

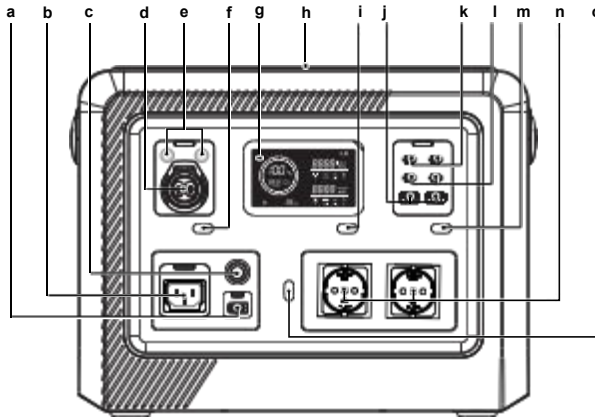


Super DC cable

| NO. | Name                   | QTY. | Specifi cation            | Check |
|-----|------------------------|------|---------------------------|-------|
| 1   | Portable power station | 1    | 1280Wh                    | ✓     |
| 2   | AC charging cable      | 1    | 1000mm                    | ✓     |
| 3   | Car charging cable     | 1    | Cigarette lighter to XT60 | ✓     |
| 4   | Solar charging cable   | 1    | MC4 to XT60 port          | ✓     |
| 5   | Super DC cable         | 1    | MJ20 to XT90 port         | ✓     |
| 6   | User manual            | 1    | English version           | ✓     |

\* The schematic diagram is for function description only. The actual appearance is subject to the actual object.

# PRODUCT FEATURES



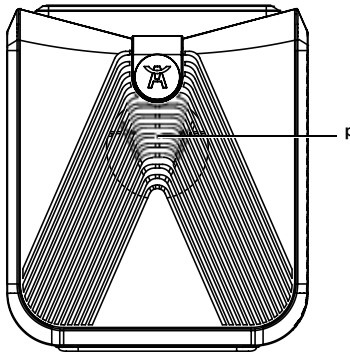
- a. **Solar Charging Port** - Plug the XT60 connector into the solar charging port of the power supply. The LCD displays the PV/CAR sign and input power (up to 600W) in real time.
- b. **AC Charging Port** - Insert the plug into the wall charging port, and then insert the other end into the power charging port. The LCD displays the "AC" sign and input power in real time (maximum power up to 600W).
- c. **Overload Protection Switch** - When AC charging is failure, check whether the overload protection switch is closed. If so, press reset and recharge.
- d. **High Power DC Output Port** - Supports 12V/20A and 24V/20A outputs (maximum output power 480W). The matched DC charging port is MJ20 male.
- e. **DC Output Port** - Each port supports 12V/5A output, and the total output power of the two ports is 120W. The paired DC charging port has an outer diameter of 5.5mm and an inner diameter of 2.5mm.
- f. **DC Output Switch** - Press the DC output switch to turn on the DC output function, and the LCD displays the "DC" sign and output power in real time. Press the button again to turn off the AC output function.
- g. **LCD Display Screen** - Collection of data indicators for Portable power station.
- h. **Wireless Output Port** - Press the DC output switch, and then place the device in the wireless induction area. Within 3 seconds, the product will automatically match the appropriate power (support 5W, 7.5W, 10W, 15W various power outputs).
- i. **Main Power Switch** - long press 2 seconds to turn on and wake up the display; Then long press again for 2 seconds to power off, and the screen will close (in the startup state, the power will automatically display after 5 minutes without operation, short press once to wake up the screen).

\* The schematic diagram is for function description only. The actual appearance is subject to the actual object.

# PRODUCT FEATURES

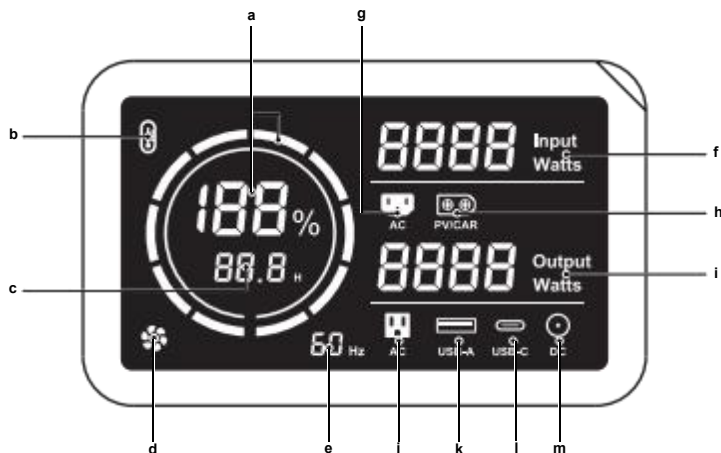
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- j. **USB-A Output Ports** - Support fast charging, each port output power 18W, two ports total output power 36W.
- k. **USB-C Output Ports** - Support fast charging, output power of each port is 30W.
- l. **USB-C Output Ports** - Support fast charging, each port output power of 100W.
- m. **USB Output Switch** - Press the USB output switch to enable the USB output function. The LCD displays the "USB-A" and "USB-C" signs and output power in real time.
- n. **AC Output Port** - Pure sine wave 220V AC output port with rated output power of 1500W and peak power of 2500W.
- o. **AC Main Switch** - Press the AC main switch to turn on the AC output function. The LCD displays the "AC" sign, output frequency and output power in real time. Press the button again to turn off the AC output function.



- p. **Air Inlet & Outlet** - Used for heat dissipation and air inlet when energy separately power is running (one air inlet and outlet on the left and right side of the product).

# LCD DISPLAY INTRODUCTION



- a. **Remaining Power** - Displays the real-time power supply. If the remaining charge equals 0%, the battery icon on the screen will start blinking. When it happens, charge the battery immediately.
- b. **High Temperature Indicator** - When the internal temperature of the power supply reaches a certain temperature, the product will give out a high temperature warning signal, and the high temperature indicator will light up.
- c. **Estimated Remaining Service Time** - Estimated time is the remaining working time under current load conditions.
- d. **Working Fan** - The fan speed of the power supply is positively correlated with the load and ambient temperature. The higher the load or ambient temperature is, the higher the fan speed is.
- e. **AC Frequency** - AC frequency when the AC output port is used.
- f. **Input Power** - The power absorbed in real time during charging.
- g. **AC Input icon** - This icon is displayed when charged through the AC input port.
- h. **Solar Input icon** - This icon is displayed when charged using the solar input port.
- i. **Output Power** - Total output power of all output ports when the discharging.
- j. **AC Output icon** - This icon is displayed when uses the AC output port to charge the device.
- k. **USB-A Output icon** - This icon is displayed when the USB-A output port to charge the device.
- l. **USB-C Output icon** - This icon is displayed when the USB-C output port to charge the device.
- m. **DC Output icon** - This icon is displayed when the DC output port to charge the device.

# CHARGING INSTRUCTIONS

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**AC Output Port:** It supports electrical power appliances with a voltage of 220V~240V(or 110V ), a frequency of 50Hz/60Hz, and a rated power of no more than 1500W.



**DC Output Port:** Each port can provide rated voltage 12V, maximum current 5A; The total output power of the two ports is 120W.



**High Power DC Output Port:** provides DC output with the output power of 12V/20A or 24V/20A. The maximum output power is 480W.



**USB-C Output Ports 1&2:** Support fast charging, with a maximum output power of 30W.



**USB-C Output Ports 3&4:** Support fast charging, maximum output power of 100W.



**USB-A Output Port:** Supports fast charging. The maximum output power of each port is 18W, and the total output power of the two ports is 36W.

\* The schematic diagram is for function description only. The actual appearance is subject to the actual object.

## Warm Tips

1. This portable power station supports charging and discharging simultaneously. But to reduce battery loss and extend battery life, it is recommended to use the output function after the power station is fully charged or use only the DC output and turn off the AC output when charging.
2. The portable power station has two Euro socket (or three US sockets ) with a total output power of 1500W. Therefore, when using the 220V~240V(or 110V) AC output function, make sure that the total rated power of the connected device does not exceed 1500W. Once exceeding 1500W, the battery will initiate over-current protection and automatically turn off the AC output.
3. In order to reduce the power loss, when there is no load for more than 12 hours, the power station will automatically turn off the power to save power.

# RECHARGING INSTRUCTIONS

## Recharging Port Instruction



**Recharging Port 1:** AC input port, 600W Max

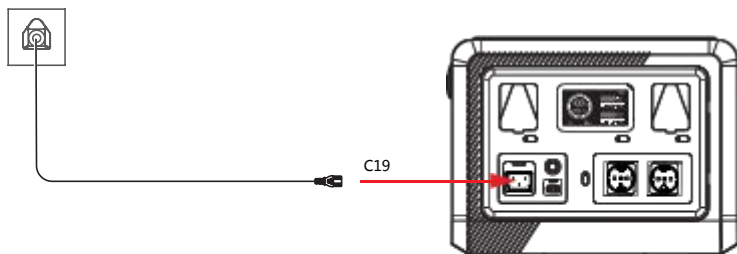


**Recharging Port 2:** XT60 input port, 12V~60V 600W Max MPPT

## Suggested Recharging Methods

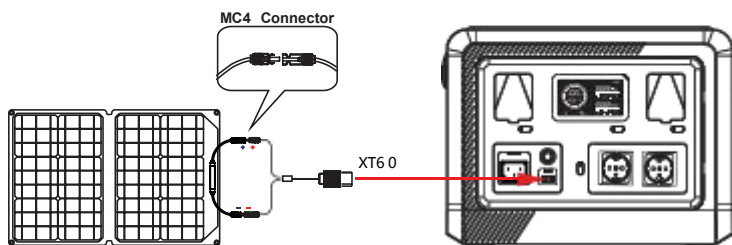
### METHOD 1: RECHARGING BY WALL OUTLET

Use the AC charging cable which comes with our product to charge the energy storage power, with the maximum input power up to 600W. It takes an hour to charge 80%, and it takes about two hours to fully charge.



### METHOD 2: RECHARGING BY SOLAR PANELS

Using the solar panel to charge the power through the XT60 input port, the maximum input power is up to 600W, and it takes about 2 hours to fully charge. (The actual charging time depends on the intensity of sunlight and the rated output of the solar panel).



# RECHARGING INSTRUCTIONS

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## Warm Tips

1. Be sure to charge this power station using the AC adapter or car cigarette lighter that comes with this product.
2. When using an AC adapter to charge this product, please insert the AC plug into the wall outlet and then insert the DC plug into the DC input port of this product.
3. When using a car cigarette lighter socket to charge this product, use a cigarette lighter socket with an output voltage of 12V or 30V. Before charging, please plug the car charger plug into the car end and then insert the DC plug into the DC input port of this product. The DC plug specifications need to be 6.5mm outside diameter and 3.0mm inside diameter (it may not match the shape of the cigarette lighter socket on some car models, please do not use it in this occasion).
4. When using solar panels to charge this product, the solar panel has to meet: (1) The open circuit voltage (VOC) is between 12V-30V; (2) Equipped with a XT60 interface or MC4 interface (Our accessories already include a MC4 to XT60 cable). If your solar panel only has an Anderson interface, please purchase an Anderson to XT60 cable.
5. After charging is completed, please unplug the charger from the socket and unplug another plug from this power station.
6. This product does not contain solar panels and USB-C charging cables, Please purchase them by yourself if necessary.

# TECHNICAL SPECIFICATIONS

| HOST                    |                                                                                                                                     |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Product Name            | 1500W Portable Power Station                                                                                                        |
| Battery Capacity        | 1280Wh(25A/51.2V)                                                                                                                   |
| 1x AC Input             | 100V~120V 600W or 220V~240V 600W                                                                                                    |
| 1x XT60 Input           | PV 12V~60V 600W Max MPPT                                                                                                            |
| AC Output               | Total 1500W (Surge 2500W, 3S)<br>100V~120V 60Hz Pure Sine Wave (3x US sockets) or<br>220V~240V 50Hz Pure Sine Wave (2x Euro socket) |
| 2x DC Output            | 12V—5A (Max 60W)                                                                                                                    |
| 1x Aviation Plug Output | 12V—20A , 24V—20A(Max 480W)                                                                                                         |
| 2x USB-A Output         | 5V—3A, 9V—2A, 12V—1.5A (Max 18W)                                                                                                    |
| 2x USB-C Output (100W)  | 5V—3A, 9V—3A, 12V—3A, 15V—3A, 20V—3A, 20V—5A (Max 100W)                                                                             |
| 2x USB-C Output (30W)   | 5V—3A, 9V—3A, 12V—2.25A, 15V—2A, 20V—1.5A (Max 30W)                                                                                 |
| 1x Wireless charging    | 5W, 7.5W, 10W, 15W                                                                                                                  |
| Operating Temperature   | 14-113°F (-10~45°C)                                                                                                                 |
| Storage Temperature     | 14-131°F (-10~55°C)                                                                                                                 |
| Net Weight              | 14.7 kg                                                                                                                             |

# WARRANTY

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We warrants to the original consumer that products will be free from defects in workmanship and materials under normal use during the applicable warranty period as determined in the "Warranty Period" section below, subject to the "Exclusions" clause below.

## **Warranty Period**

The warranty period of the portable power station is 12 months. Consumers need to provide a sales receipt for the first purchase or other reasonable documentary proof to determine the start date of the warranty period. Under normal circumstances, the warranty period is calculated from the date of purchase by the original consumer.

## **Exchange**

If the products cannot be operated due to defects in workmanship or materials during the applicable warranty period, we will provide free replacement, and we will bear the freight. In addition, the replacement product will bear the remaining warranty period of the original product.

## **Refund**

We provides a 30-day money-back guarantee for products purchased directly. If you are not satisfied for any reason, just let us know within 30 days. Once we receive the product and confirm its validity, we will refund the full amount.

To return the item, please contact us during our normal working hours. Please check before returning: (1) You purchased the product directly from our company; (2) You contact we and start the return process within 30 days of the original delivery date; (3) The product is returned in its original packaging, including all materials, in a new or as-new state.

## **Exclusions**

Warranty does not apply to:

1. Misuse, abuse, modification, accidental damage, or use for any other purpose other than those authorized in the current product information;
2. Attempt to repair by anyone outside the authorized organization;
3. Non-original consumer purchasers;
4. The warranty does not apply to battery cells unless you fully charge the battery within 7 days after purchasing the product and at least once every 3 months thereafter.

# FAQS

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## How to clean portable power station?

For simple cleaning, please use a dry non-abrasive cloth to wipe. If you want to wipe more cleanly, we recommend using a special cleaner for mobile phones and computer screens. Be careful not to expose the product to large amounts of water!

## How to store portable power station?

Please store power station in a dry place and avoid direct contact with water. In order to extend the battery life, please fully charge the power station, then turn off the main power switch and store it at room temperature.

## How to check the production date of portable power station?

You can check the production date at the bottom of the power station. It consists of a letter and two numbers: the number represents the year of production, and the letter represents the month of production, For example, "K22" means November,2022.

|        |         |          |       |       |     |      |      |        |           |         |          |          |
|--------|---------|----------|-------|-------|-----|------|------|--------|-----------|---------|----------|----------|
| Letter | A       | B        | C     | D     | E   | F    | G    | H      | I         | J       | K        | L        |
| Month  | January | February | March | April | May | June | July | August | September | October | November | December |

## What kind of solar panels does power station support?

Solar panels have to meet the following requirements:

- 1)The open circuit voltage (VOC) of the solar panel is between 12V and 30V;
- 2)The solar panel is equipped with a XT60 interface or MC4 interface(Our accessories already include a MC4 to XT60 cable). If your solar panel only has an Anderson interface, please purchase an Anderson to XT60 cable.

## Does portable power station have an MPPT function?

Yes, our power stations have MPPT function to ensure higher efficiency when charging with solar panels.

## How to buy accessories for portable power stations?

If you need to buy power station accessories, you can contact us get related accessories information.

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.

FCC Radiation Exposure Statement

The equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

During the operation of device a distance of 15 cm surrounding the device and 20 cm above the top surface of the device must be respected.