



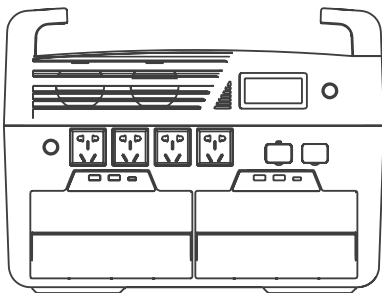
QIANSON

千 康 动 力

Outdoor Portable Power Station

QX3600

User manual



ZHENGZHOU ZENFON TECHNOLOGY CO., LTD

Product overview

This product is a portable power storage product for home and outdoor, with large capacity, small size, light weight, high safety and large output power. Can be quickly split into two small power storage for separate use; Two modules can work alternately to keep the load never power off; multiple output interface to meet all kinds of small household appliances, diversified input mode can be used in a variety of situations power supply; For indoor and outdoor electricity necessary products.

Parameters specification

Basic parameters

The net weight	23kg
size	449×236×336mm
energy	3600Wh 57.6V
Certification standards	CE ROHS
Wi-fi	Support
GPRS	Support

Output specifications

Ac output (×4)	Pure sine , Max1600W , 120V (60Hz)
Dc output	12V=10A
USB(×4-way output)	5V=3A
Type-C(×2-way output)	5V=3A 9V=3A 12V=3A 15V=3A 20V=3A (Max)

The input specifications

AC output	AC120V	Max1500W
DC output	DC12V	DC24V 200W (Max)
Solar energy charging	Pmax=400W, DC12V-40V, Imax=15A	

The battery specification

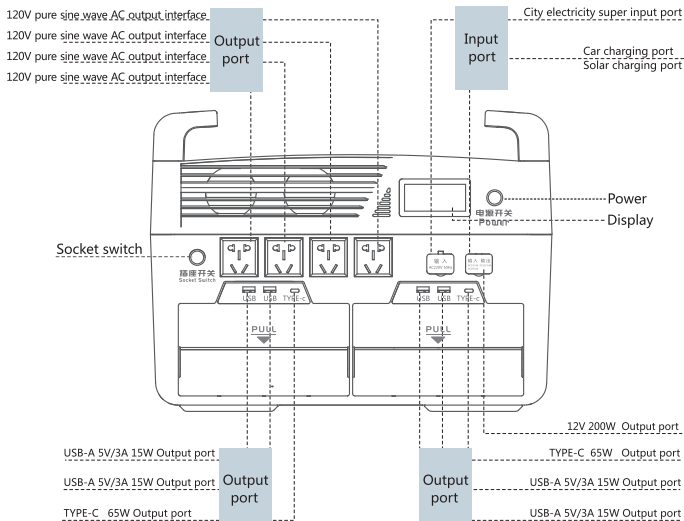
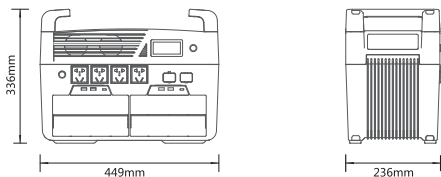
Batteries materials	Solid-state lithium-ion batteries
Shelf life	1 year (After the battery is fully charged)
Cycle life	80% remaining capacity After 1500 cycles
Protection type	High temperature protection, low temperature protection, over-discharge protection, over-charge protection, overload protection, Short circuit protection, overcurrent protection

Operating temperature

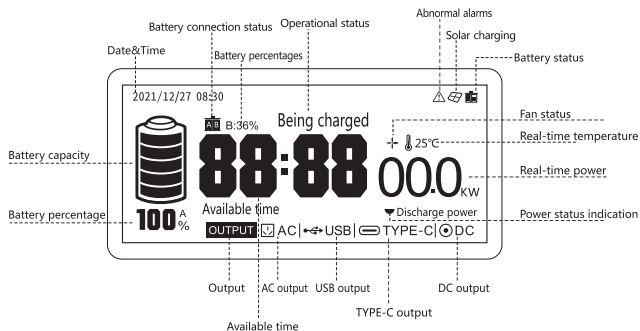
Optimum ambient temperature	20°C~30°C
Discharge ambient temperature	-20°C~60°C
Charging ambient temperature	0°C~60°C
Storage Environment Temperature	-20°C~45°C (20°C to 30°C is best)

*Whether this product can charge and discharge depends on the actual temperature of the battery pack

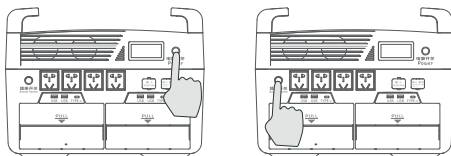
3.1 Product Appearance



3.2 Interface description



3.3 Products use



Power on,sleep, standby and power off

- ① **Power on:** press the power switch to turn on the device. After the device is turned on, the display screen enters the power on interface, and the power switch indicator is always on;
- ② **Sleep:** The default sleep time of the product is 15 minutes. If the product is idle for 15 minutes without any operation (the socket switch is turned off), the product will enter the sleep state. At this time, the display screen will enter the statistics interface, and then enter the sleep interface;
- ③ **Standby:** The default standby time of this product is 15 minutes. If the socket switch is not turned on and there is no load connected, it will automatically shut down after 15 minutes;
- ④ **Shutdown:** long press the power switch, the display screen will enter the statistical information interface, and then enter the sleep interface;
- ⑤ **Battery pull-out:** under the power on interface, turn off the socket switch, briefly press the power switch twice, enter the battery pull-out selection interface, select the socket switch (confirm), the battery pops up, select the power switch (cancel), the battery does not pop up, and return to the power on interface;

⑥ Socket opening: when the machine is turned on, press the socket switch briefly once to open the socket;

⑦ The socket is closed: when the machine is turned on, press the socket switch briefly once, and the socket is closed;

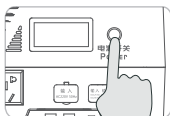
⑧ Function setting interface:

A During the time period when the power on interface is displayed during the power on process, press the socket switch 4 times continuously to enter the state of the interface with function settings;

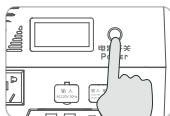
B. Press the power switch twice to enter the setting interface. Press the socket switch briefly to select the items to be set;

Note: The factory default is simple interface mode;

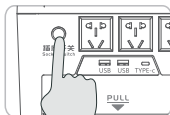
3.4 Battery Packs Installation and Removal Instructions



1、Press the power switch to start the machine.



2、Double click the power switch to enter the battery pop-up page.

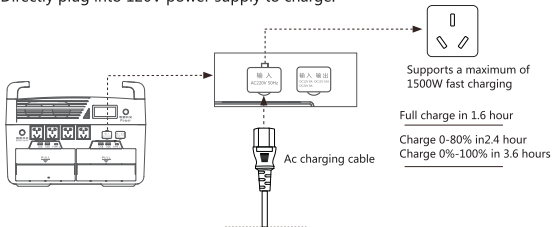


3、Press the socket switch briefly to eject the battery.



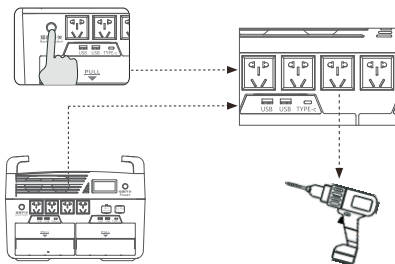
3.5 120V AC input/output operation

Input: Directly plug into 120V power supply to charge.



*16A is recommended for 1500w AC charging, and watch is required

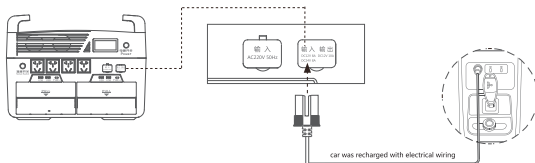
Output: Under the state of power on, press the socket switch and insert the electrical equipment after the button indicator lights up.



3.6 Car jack input\output operation

Input :

When the machine is turned on, plug in the charging plug to start charging



*This product can be charged by using the car charger port on the car. This product supports 12V/24V car charging, and the default charging current is 8A. It is recommended to use the car to charge the car in the starting state to avoid causing the car battery to lose power and cannot start.

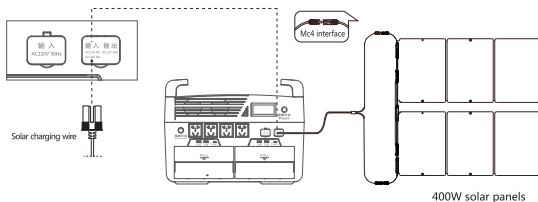
Output :

In the power on state , plug in the electric equipment to use .



3.7 Solar energy charging

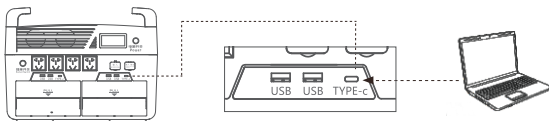
Users can connect solar panels in series to charge the product as shown in the figure. The dc input voltage range of this product is 12v-40v, the maximum charging power is 400W.



*Before connecting the solar panel, please make sure that the output voltage of the solar panel is within 40V to avoid damage to the product.

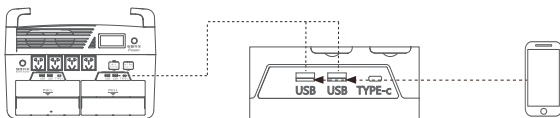
3.8 TYPE-C Output operations

When the machine is turned on, it can be directly inserted into the electrical equipment for use.



3.9 USB Output operations

When the machine is turned on, it can be directly inserted into the electrical equipment for use.



Frequently asked questions

1. What type of battery does the product use ?

This product uses high energy, high safety solid state lithium ion battery.

2. What equipment can product ac export lake ?

The rated power of the AC outlet is 1600W, which can supply power to most household appliances. However, it is recommended that you check the power of the appliance before use and ensure that the sum of the power of all load devices is less than the rated power.

3. How do you know how long a product will last ?

The e-ink display displays the remaining time, which can be estimated for electrically stable devices.

4. How can you tell if a product is charging ?

When charging, the screen will show the remaining charging time, the percentage change of battery power, the change of battery capacity indicator and the input power.

5. How to clean this product ?

Please use a dry, soft, clean cloth or paper towel to wipe the product.

6. How to store Products ?

When storing, please first turn off the product, and then store it in a dry, ventilated, room temperature environment. Do not place this product near water sources. For long-term storage, it is recommended to discharge the battery to 30% and then charge it to 60% every three months to prolong the service life of the product.

7. 10/5000 Can this product be carried on the plane ?

Can not be.

8. Is the actual output capacity of the product consistent with the capacity stated in the user manual ?

The capacity specified in the user manual is the rated capacity of the battery pack. Due to the efficiency loss in the charging and discharging process, the actual output capacity of the product is lower than the capacity specified in the user manual.

Safe use guide

5.1 use

1. Do not put the product near heat source, such as fire source or heating furnace when it is working.
2. Do not let the product touch any liquid. Do not immerse the product in water or make it wet. Do not use this product in rain or wet environment.
3. Do not use this product in the environment of strong static electricity or magnetic field.
4. It is forbidden to disassemble or prick the product with sharp objects in any way.
5. Do not use wires or other metal objects to cause short circuit of the product.

6. Do not use non-official parts or accessories. If replacement is required, please go to the official sales channel for relevant purchase information.
7. When using this product, please strictly follow the environment temperature specified in this user manual. If the temperature is too high, the battery may fail. If the temperature is too low, the performance of the product will be seriously degraded, and even it cannot meet the requirements of normal use.
8. Do not pile other heavy objects on the product.
9. It is forbidden to block the fan or keep the product in an unventilated or dusty space during use.
10. Please avoid collision, falling and strong vibration. In case of serious external force impact, please immediately turn off the power and stop using. Please fix it to avoid vibration and impact during transportation.
11. If the product accidentally falls into water during use, place it in a safe, open area away from the product until the product is completely dry. The dried products shall not be used again and shall be properly disposed of in accordance with the methods described in Section 5.2 Abandonment. In case of fire, use fire extinguishing equipment in the following recommended order: water or water mist, sand, fire blanket, dry powder, and carbon dioxide extinguisher.
12. If there is dirt on the interface of this product, please use a dry cloth to wipe it clean.
13. Please place the product carefully to prevent damage caused by dumping. If the product is dumped and seriously damaged, shut it down immediately. Place the battery in an open area away from combustibles and people, and discard it according to local laws and regulations.
14. Keep the product out of reach of children and pets.

5.2 Abandoned

1. If conditions permit, discharge the battery completely before placing the product in the specified battery recycling bin. This product contains batteries, batteries are dangerous chemicals, do not waste in the ordinary dustbin. For details, follow the local laws and regulations on battery recycling and disposal.
2. If the battery cannot be completely discharged due to the fault of the product itself, do not dispose the battery directly in the battery recycling box. Contact a professional battery recycling company for further treatment.
3. If the battery cannot be started after overdischarge, press Discard.

After-sales service and support

1. From the date of purchase, the product shall enjoy free maintenance services under the following conditions (1) or (2).

(1) Within 2 year; (2) Within 1500 use cycles;

2. Non-warranty coverage :

(1) The product is faulty due to human causes ;

(2) Force Majeure: Product failure caused by natural disasters such as earthquake and fire ;

(3) Self-disassembly, repair caused by product failure.

After-sales service card

user name	
Contact Number	
Purchase date	
Product model	
Address of the user	
Sales unit	
Fault description	

Error code	Error description	Solution
E001	A battery overcharge protection	Stop charging and wait for automatic recovery
E002	A battery overdischarge protection	Pause the discharge and plug in the charging plug to charge in time
E003	A battery discharge overcurrent protection	Stop discharging and wait for automatic recovery
E004	A battery charge overcurrent protection	Stop charging and wait for automatic recovery
E005	A battery discharge overtemperature protection	Stop charging and wait for automatic recovery
E006	A battery discharge overtemperature protection	Stop charging and wait for automatic recovery
E007	A battery SOC protection	Stop charging and wait for automatic recovery
E008	B battery overcharge protection	Stop charging and wait for automatic recovery
E009	B battery overdischarge protection	Pause the discharge and plug in the charging plug to charge in time
E010	B battery discharge overcurrent protection	Stop discharging and wait for automatic recovery
E011	B battery charge overcurrent protection	Stop charging and wait for automatic recovery
E012	B battery discharge overtemperature protection	Stop charging and wait for automatic recovery
E013	B battery charge overtemperature protection	Stop charging and wait for automatic recovery
E014	B battery SOC protection	Stop charging and wait for automatic recovery
E015	Inverter input short circuit protection	Stop using,remove load and charging plug,restart battery
E016	Inverter input overload protection	Stop using,wait for automatic recovery,reduce the use power
E017	Inverter input undervoltage protection	Stop using and plug in the charging plug to charge in time
E018	Inverter input overvoltage protection	Stop charging and wait for automatic recovery
E019	Inverter input overtemperature protection	Stop charging and wait for automatic recovery
E020	LV hardware error	Stop using,remove load and charging plug,restart battery
E021	HC hardware error	Stop using,remove load and charging plug,restart battery
E022	Inverter communication is abnormal	Stop using,remove load and charging plug,restart battery
E023	Inverter output overcurrent protection	Stop using,wait for automatic recovery,reduce the use power
E024	Inverter output short circuit protection	Stop charging and wait for automatic recovery
E025	Inverter output undervoltage protection	Stop using,remove load and charging plug,restart battery
E026	Inverter DC overvoltage protection	Stop charging and wait for automatic recovery
E027	Inverter DC undervoltage protection	Stop charging and wait for automatic recovery
E028	Inverter output zero crossing error	Stop using,remove load and charging plug,restart battery
E029	Inverter output overtemperature protection	Stop charging and wait for automatic recovery
E030	Inverter input-output overvoltage	Stop charging and wait for automatic recovery
E031	Inverter parameter configuration error	Stop using,remove load and charging plug,restart battery
E032	DC input voltage abnormal	Stop using,remove load and charging plug,restart battery
E033	DC output voltage abnormal	Stop using,remove load and charging plug,restart battery
E034	Inverter hardware failure	Stop using,remove load and charging plug,restart battery
E035	A battery sampling abnormality	Stop using,remove load and charging plug,restart battery
E036	B battery sampling abnormality	Stop using,remove load and charging plug,restart battery
E037	A battery MOS tube is abnormal	Stop using,remove load and charging plug,restart battery
E038	B battery MOS tube is abnormal	Stop using,remove load and charging plug,restart battery
W001	Low battery warning	Indicates that the battery is low,it is recommended to charge it in time
W002	Battery temperature alarm(charging 60°C, discharging 65°C)	Prompt that the temperature of the internal inverter is high, it is recommended to reduce the power to use at this time
W003	Inverter pre-stage temperature alarm(120°C)	Prompt that the temperature of the internal inverter is high, it is recommended to reduce the power to use at this time
W004	Inverter post-stage temperature alarm (80°C)	Prompt that the temperature of the internal inverter is high, it is recommended to reduce the power to use at this time
W005	Full bridge (aluminum cylinder) temperature alarm(100°C)	Prompt that the temperature of the internal inverter is high, it is recommended to reduce the power to use at this time

FCC Statement

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

Zhengzhou ZENFON technology co., ltd.

TEL : 0371-67992782 67992783

URL : www.zf66.com

Add : 503, Floor 5, Building 3, Yida Science and Technology New Town,

No. 16, Jinzhan Street, Zhengzhou Hi-tech Development Zone



ZENFON service



ZENFON public