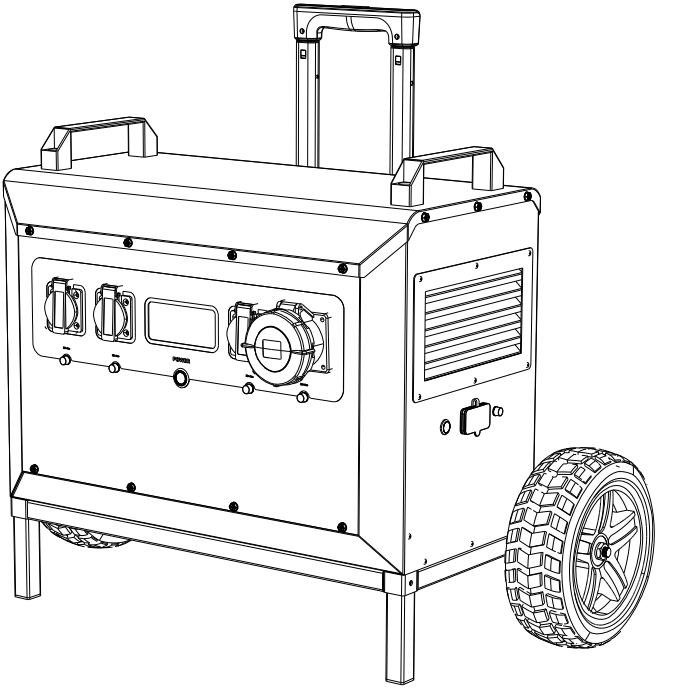
5000WOutdoor Power Station



L5

User Manual

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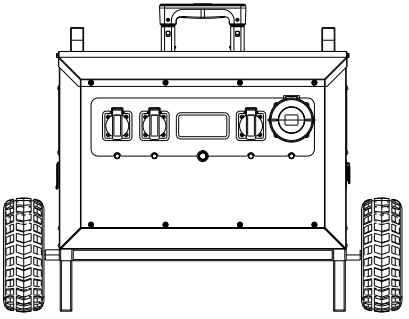
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Disclaimer

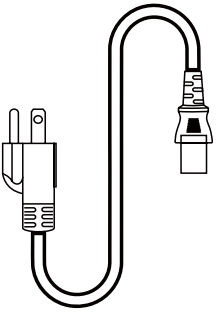
Read this user manual carefully before using the product to ensure that you completely understand the product and can correctly use it. After reading this user manual, keep it properly for future reference. Improper use of this product may cause serious injury to yourself or others, or cause product damage and property loss. Once you use this product, it is deemed that you understand, approve and accept all the terms and content in this document. The Company is not liable for any loss caused by the user's failure to use this product in compliance with this User Manual. In compliance with laws and regulations, the Company reserves the right to final interpretation of this document and all documents related to this product. This document is subject to changes updates, revisions, or termination) without prior notice. Please visit the official website to obtain the latest product information.

- The Company is not responsible for any damage caused by force majeure (e.g. fire, typhoon, flood, earthquake or negligence, abuse or use under other abnormal circumstances by the customer).
- No compensation for losses caused by the use of non-standard connectors.
- The Company is not responsible for any damage caused by not following the instructions in the operating instructions.

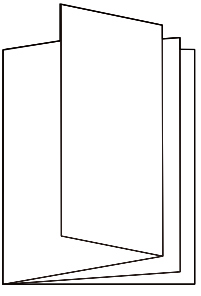
What's in the Box



Smart Generator



AC Charging Cable



User Manual&Warranty

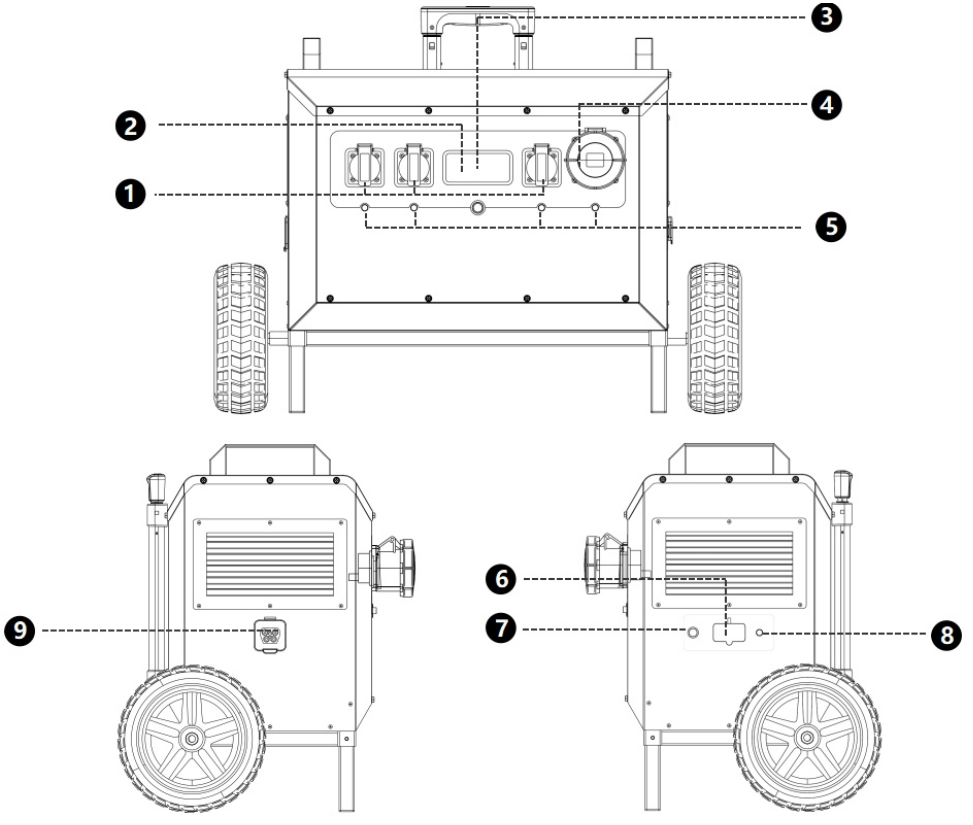
Product Description

Parameter Specifications

Output Technical Parameters		
AC Output	Rated Voltage	230Vac
	Rated Power	5000W
	Peak Power	7000W
	Frequency	50Hz
Input		
AC Charge Input	190~250Va.c 10.8A 2500W Max	
Battery		
Rated Capacity	5040Wh	
Rated Voltage	48 Vdc	
Battery Type	LiFePO4	
Common Information		
Working Temperature	0°C~40°C/0°F~104°F	
Dimension	32.5*17.1*24in (825*435*611mm)	
Net Weight	136.36lb (61.85kg)	

Product Description

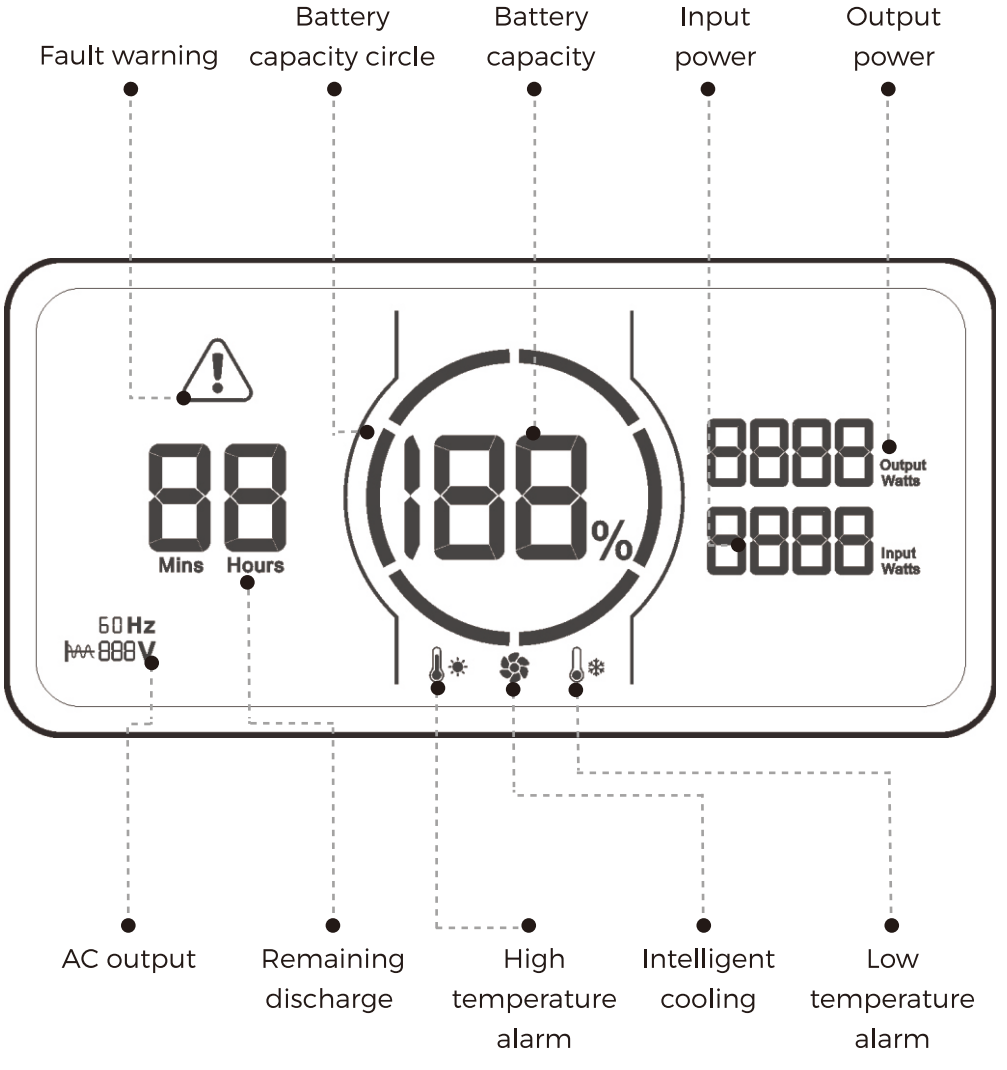
Function Description



1. AC Output Port (10A MAX)*3
2. LCD Screen
3. Main Power On/Off Switch
4. AC Output Port (30A MAX)
5. Output Overload Protection Switch
6. AC charging input port
7. Fast&Slow Charging Power Conversion
8. Input Overload Protection Switch
9. Extended power pack connection port

Product Description

LCD Screen Description



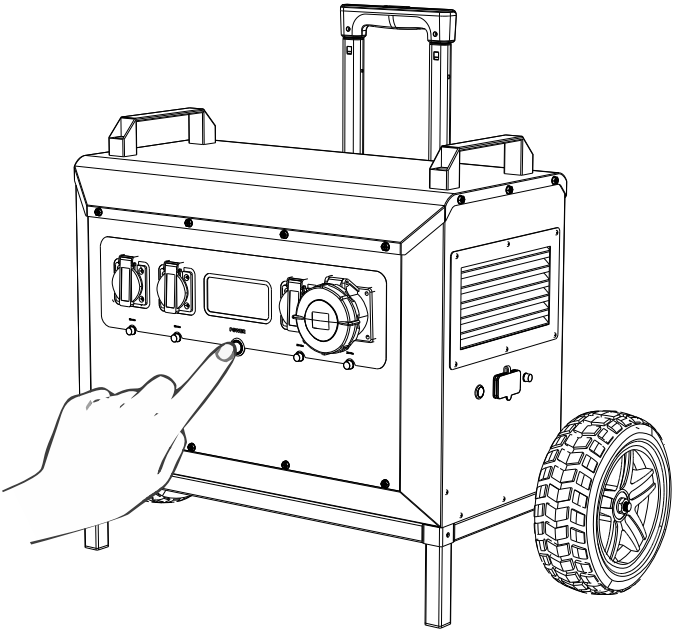
Instructions for use

LCD battery capacity circle indicates battery level. The capacity circle is divided into six sections, accounting for approximately 17%~35%~51%~68%~85%~100% of the capacity. When in use, the LCD display automatically wakes up. When discharging, the blue capacity segment disappears from the display, indicating remaining capacity. When charging, the blue battery capacity circle flashes clockwise along the trajectory, which indicates that the device is currently charging. The number on the right side of the energy circle now displays the real-time input power. After full charging, all blue capacity segments will be illuminated and keep in stable. After charging is completed, please unplug the charger.

Press and hold the power button for 3 seconds, the product turns on, the LCD screen lights up, and after a delay of 10S, the screen displays the icon 

, a circle of LED lights around the button lights up, and each AC output port can work normally; press and hold the power button (displays OFF for about 3 seconds or more), the product shuts down, and the LCD screen goes out.

Instructions for use



Notice:

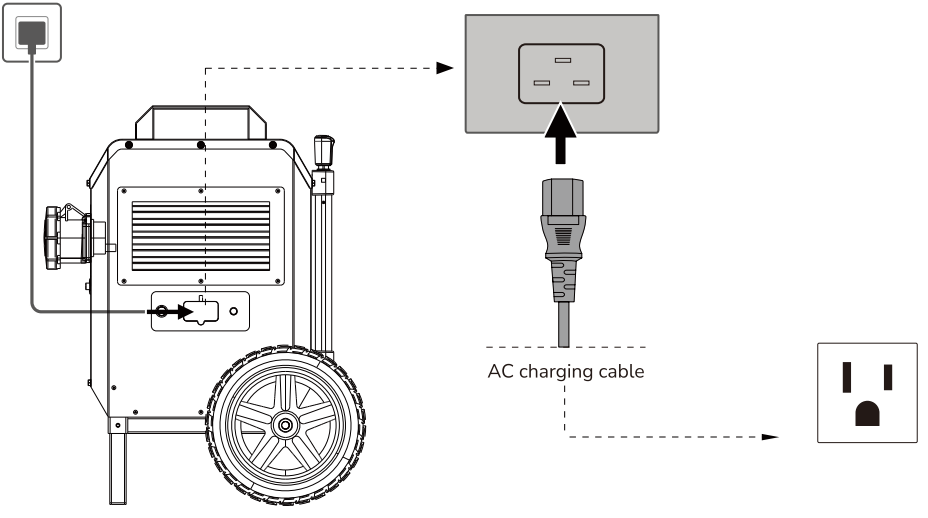
1. After the product is turned on, short press the main power button. The LCD screen will turn off but the product will not shut down.

2. The default standby time of this product is 2 hours. If the other output power button is turned on and the product is not connected to any load, the product will automatically shut down after 2 hours; if the product is not operated within 5 minutes, the product will enter the sleep state and the LCD screen will automatically turn off. Touch the power button and the LCD screen will automatically light up or sleep.

Recharge Methods

AC Charging

To charge the device using the standard AC charging cable, and connect as shown in the figure. At this time, the input power reading appears on the screen, and the device starts charging. It can support up to 2500W fast charging, which takes about 2.5 hours to fully charge.



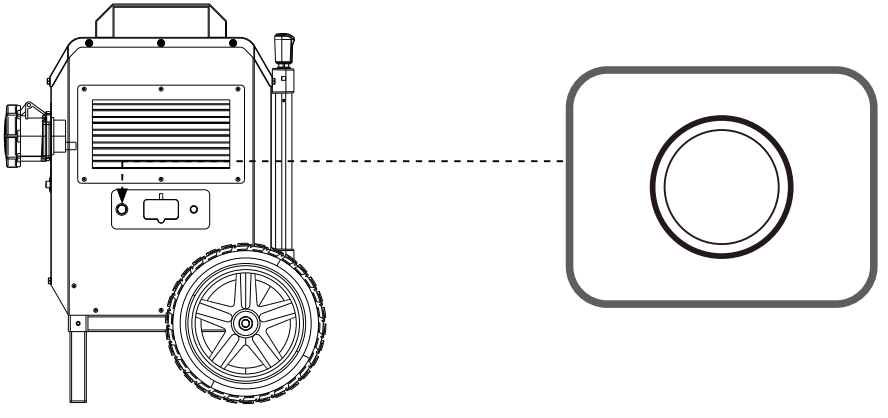
Recharge Methods

AC Charging

Operation instructions for fast charge & slow charge switching function.

When the AC output of the product is turned off, the switch is in the“pressed" state for slow charging with an input power of 1250W, and the switch is in the "pop-up" state for fast charging with an input power of 2500W;

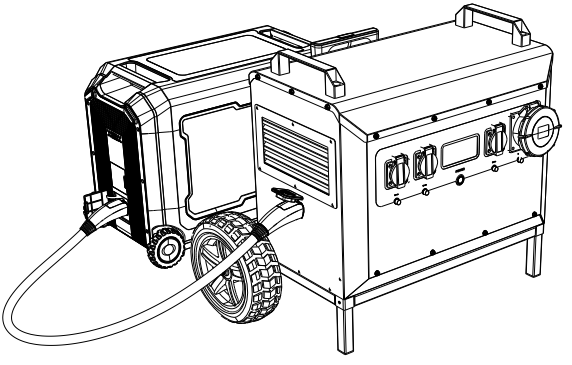
Note: The product's fast and slow charging function must be turned off when switching.



Recharge Methods

Power Pack Charging

Power pack can be connected to this product. Use the product-specific power pack cable to connect the product and the battery pack, and the device starts to charge when a reading appears on the input power on the screen.



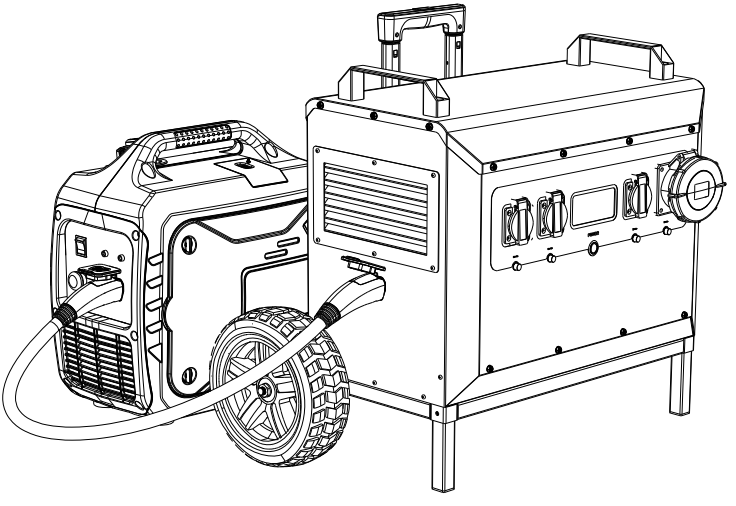
Notice:

1. Please make sure that both the product and the power pack are turned off Before connecting the power pack to this product,.
2. After this product is connected to the power pack, make sure that the LCD display of this product shows the input power, and then start to use.
3. Do not directly connect or remove the power pack during the charging and discharging process. If you need to connect or remove the power pack when using, please turn off the power before operating.
4. Do not use your hands or other objects to touch the metal terminals at the connection port of the power pack . If there are foreign objects attached to the metal terminals, please lightly wipe with a dry cloth.
5.The device only allows to plug in and unplug the battery pack in the shutdown status;with the device on, to plug or unplug battery packs will trigger the overcurrent protection. If damage under this situation,no warranty allowed.

Recharge Methods

Gasoline Silent Inverter Generator Charging

This device supports charging via a gasoline silent inverter generator. Use the product-specific cable and gasoline silent inverter generator to connect to this device. The gasoline silent inverter generator automatically starts when the power station's battery level falls below 20%, and charging begins once a reading appears on the input power on the display screen; the gasoline silent inverter generator will stop operating when the battery level exceeds 90%, thereby ending the charging process.



Recharge Methods

Gasoline Silent Inverter Generator Charging

Notice:

1.Please follow the gasoline silent inverter generator's user manual when operating the device.

2.If multiple charging sessions are required within a short period, there is no need to operate the device after the gasoline silent inverter generator automatically shuts down when the battery charge reaches 90%. The gasoline silent inverter generator will automatically restart to continue charging when the connected battery level falls below 20%.

3.Do not plug or unplug the cable when the gasoline silent inverter generator and power station are in operation, as this may cause damage to the equipment.

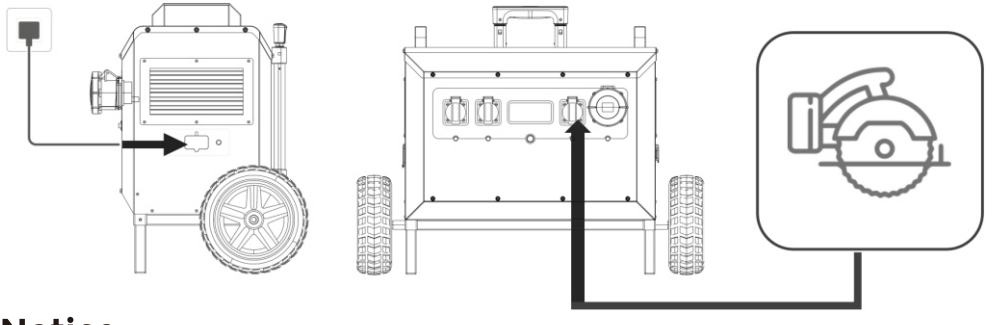
4.In case of an emergency during the use of the gasoline silent inverter generator, you may directly press the emergency stop button to halt the generator.

5.Please ensure the product is turned off before connecting to the gasoline silent inverter generator; otherwise, damage caused to the equipment will not be covered by our warranty service."

Other Functions

EPS function

This device supports EPS (Emergency Power Backup) function. When the AC charging cable is connected to the power grid and the AC input port of this product, the appliance can use the AC output port of this product to work (the AC power comes from the power grid, not the battery). When the power grid suddenly loses power, this product can automatically switch to the battery power supply mode of this product within 20ms.



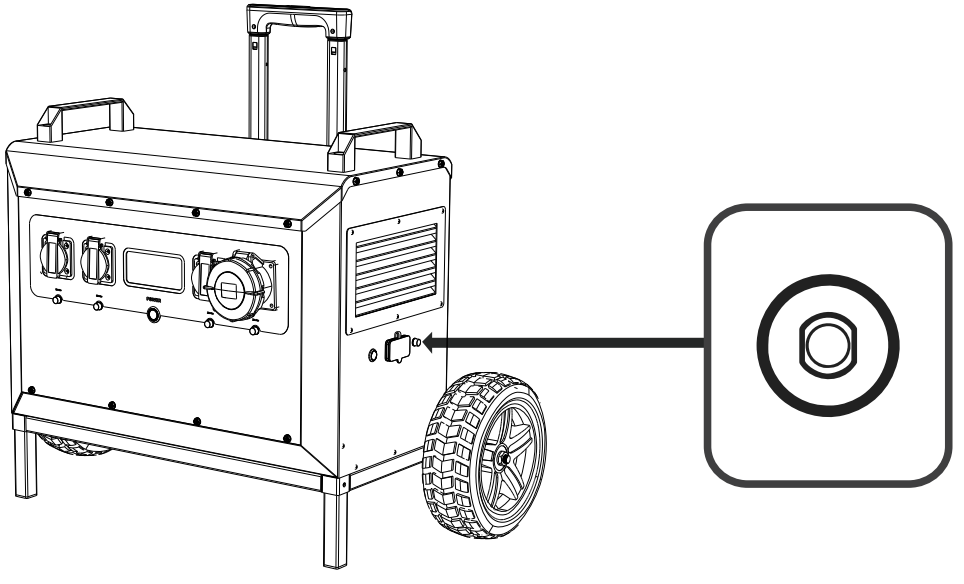
Notice:

This function is a non-professional UPS function and does not support 0ms switching. Please do not connect it to equipment that requires uninterrupted power supply (such as data servers and workstations), or please test it multiple times to confirm whether it is compatible before using it. It is recommended to use only one device during use. The operating power of the device should not exceed 5000W (input + output). When the load and charging reach 5000W, it will delay for one minute to report overload and shut down the output. If it is higher than 5000W, it will delay for 1 second to shut down the output. Do not use multiple devices at the same time to avoid triggering the overload protection of this product. If the device fails to operate normally or data is lost due to failure to follow instructions, our company will not bear the corresponding responsibility.

Other Functions

Input Overload Protection Function

When the AC input current is continuously more than 25A, the device charge input port will protect itself. The AC input overload protector button will pop up automatically. After confirming that the product is not faulty, press the AC input overload protector to resume charging.



FAQ

1. What type of battery does the product use?

This product uses high-quality lithium iron phosphate batteries.

2. What equipment can be connected to the AC output port of the product?

The AC output port of this product has a rated power of 5000W and a peak power of 7000W. It can power most household appliances. However, it is recommended that you confirm 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 to know how long the product can provide power?

The LCD screen of this product will display the battery life, and devices with stable power consumption can be estimated based on this time.

4. How to tell if the product is charging?

When charging, the LCD screen will display the remaining charging time, and the power indicator circle outside the battery power percentage will begin to rotate in a circular motion, and the input power will be displayed.

5. How to clean this product?

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

7. Can this product be brought on board a plane?

Can't.

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

The capacity indicated in the user manual is the rated capacity of the battery pack of this product. Since this product has a certain efficiency loss during the charging and discharging process, the actual output capacity of the product is lower than the capacity specified in the user manual.

Fault Code and Trouble Shooting

Fault code	Faultinformation	Status	Remarks
E000	AC output short circuit protection	 Flashing, no output	Press the AC output power on/off button for recovery
E001	Output overload protection	 Flashing, no output	Flashing icons indicates which circuit overload. Overload protection needs to be restored manually, UPS function overload 5000W 1 sec
E002	AC Battery low voltage protection	The corresponding function icon flashes and the corresponding port has no output.	After protection, restart corresponding function keys to restore functions, and recharge it timely
E003	AC output over-voltage and low voltage protection	 Flashing, no output	You need to manually press the AC power button to recover
E004	Abnormal AC input frequency	 Flashing, no output	Automatically recover when frequency is normal
E005	High and low bus voltage, over-current	 Flashing, no output at all ports	You need to manually press the AC power button to recover
E006	Inverter over-temperature charging over-temperature protection	 Flashing,no output	Temperature lower down to normal level, it will recover automatically
E020	BMS communication failure	 Flashing, no output at all ports	Check BMS communication cable
E021	Battery cell high voltage alarm	Battery capacity percentage flashing	Set the device aside and wait for the battery voltage to recover automatically
E022	Battery cell low voltage alarm	Battery capacity percentage flashing	Connect the AC charging cable and keep charging until the voltage is normal

Fault Code and Trouble Shooting

Fault code	Faultinformation	Status	Remarks
E023	Total battery voltage is too high	E23 code flashing but output is normal	Set the device aside and wait for the battery voltage to recover automatically
E024	Total battery voltage is too low	 Flashing, no output at all ports	Connect the AC charging cable and keep charging until the voltage is normal
E025	Battery high temperature	 +  Flashing, no output at all ports	Automatically resumes after temperature recovery
E026	Battery low temperature	 +  Flashing, no output at all ports	Automatically resumes after temperature recovery
E028	Charging over-tem-perature	 +  Flashing, charging stop	Automatically resumes after temperature recovery
E029	MOSFET over-tem-perature	 +  Flashing, no output at all ports	Automatically resumes after temperature recovery
E030	Abnormal battery pack connection	Battery pack connec-tion error	Please replace with the standard battery pack

Storage & Maintenance

1. Please store the product away from water sources, heat sources, and metal objects.

2. In order to extend the service life of the battery, it is recommended to use or store this product in an environment of 20℃ to 30℃.

3. If long-term storage is required, please charge and discharge this product once every 3 months (first discharge to 0%, then fully charge, then discharge to 60% for long-term storage); products that have not been charged or discharged for more than 6 months Warranty will not be provided.

4. For safety reasons, do not store this product in an environment above 45℃ or below -10℃ for a long time.

5. If the product is seriously low on power and idle for too long, the product will enter deep sleep mode, and the product must be charged before use again.