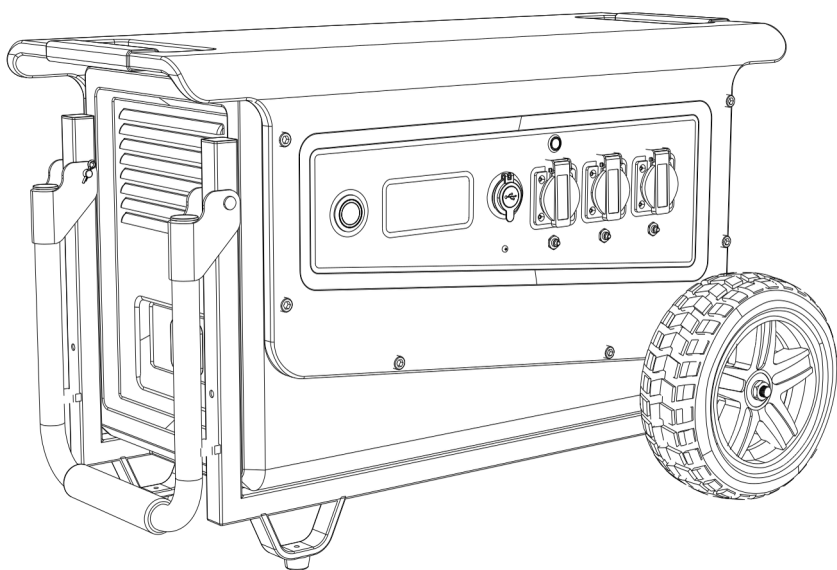


Outdoor Power Station



W5

User Manual

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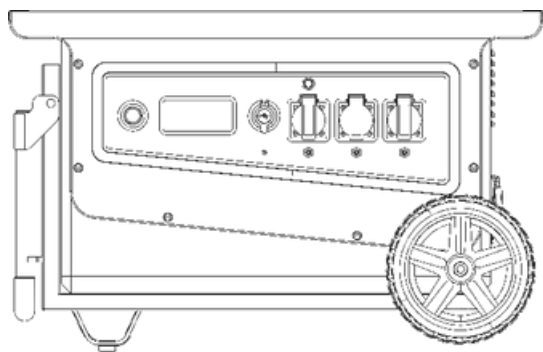
Disclaimer

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.

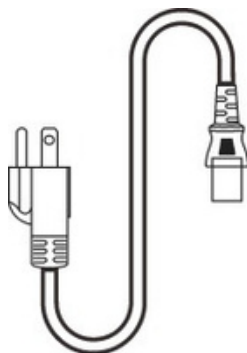
Once you use this product, it is deemed that you understand, approve and accept all the terms and content in this document. The Company is not liable for any loss caused by the user's failure to use this product in compliance with this User Manual. In compliance with laws and regulations, the Company 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.

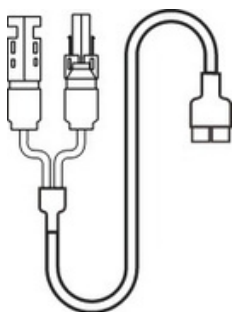
What's in the Box



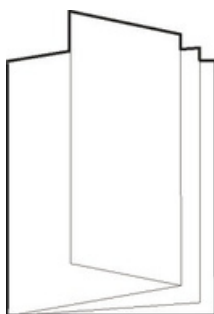
Smart Generator



AC Charging Cable



Anderson-MC4 Cable



User Manual&Warranty

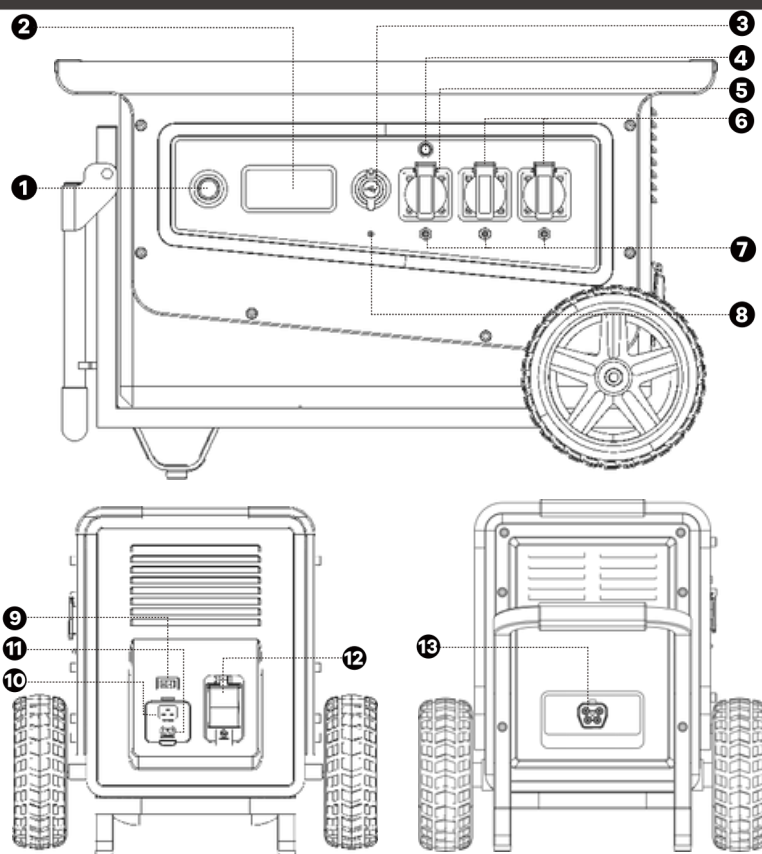
Product Description

⚡ Parameter Specifications

Output Technical Parameters		
AC Output	Rated Voltage	100~120Vac
	Rated Power	4000W
	Peak Power	7000W
	Frequency	60Hz
USB-A Output	5V/3A; 9V/1.8A; 12V/1.5A (18W Max)	
USB-C Output	5V/3A; 7V/2.4A; 9V/1.8A; 12V/1.5A	
Input		
AC Charge Input	90~140Va.c	16A Max 1800W Max
PV (Anderson) Input	12~150Vd.c	15A Max 2100W 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	33.6*20.2*19.8in (852.5*512*502mm)	
Net Weight	150.57lb (68.3kg)	

Product Description

⚡ Function Description



1. Main Power On/Off Switch

2. LCD Screen

3.USB-C&USB-A Output

4. AC Output Power On/Off Switch

5. AC Output Port (30A MAX)

6. AC Output Port (20A MAX)*2

7. Overcurrent Protection Switch

8. Ground protection

9. Fast&Slow Charging Power

10.AC Input

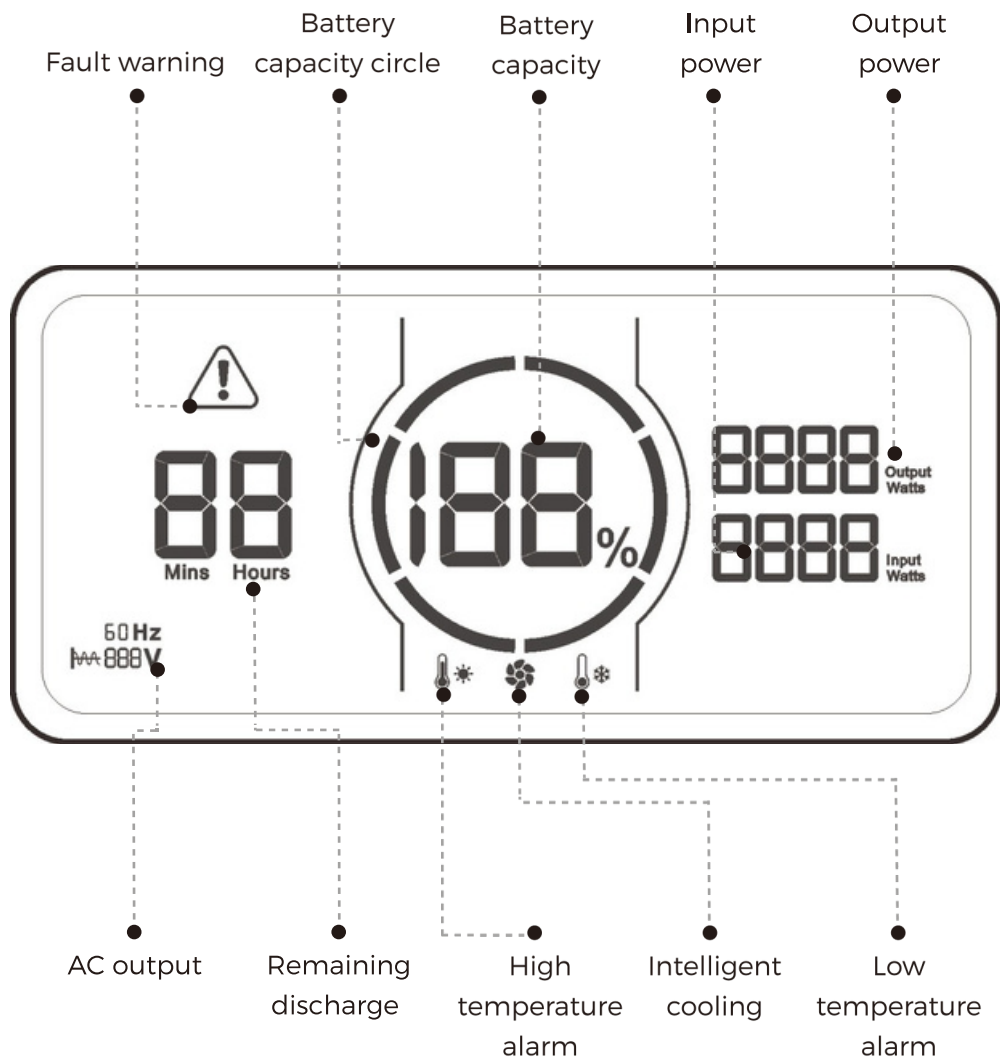
11. Anderson Input

12. Circuit Breaker Protection Switch

13. Extended Power Pack Connector

Product Description

⚡ LCD Screen Description

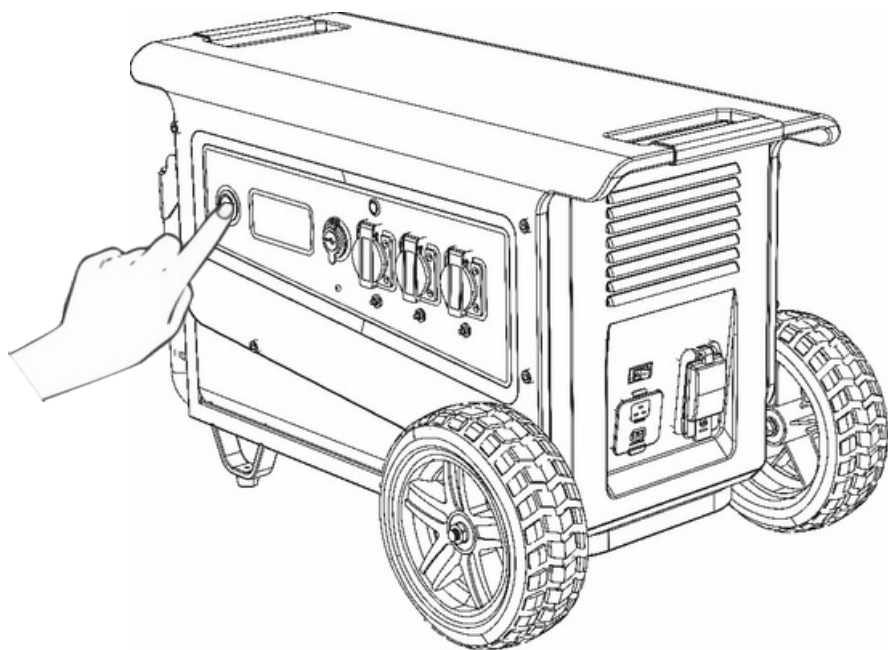


Instructions for use

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, the product will turn on, the LCD screen will light up, and the power button indicator light will turn to a steady state; press and hold the power button for about 3 seconds or more, the LCD screen will display the word "off" and then release it, the product will shut down, and the LCD display will turn off. When the main power button is turned on, lightly press the switch button of each functional area, and the corresponding function icons on the LCD screen will light up at the same time. At this time, the functions in this area can be used normally; tap the corresponding functional area button again, and the corresponding LCD screen icons will turn off. This area function stops working.

Instructions for use



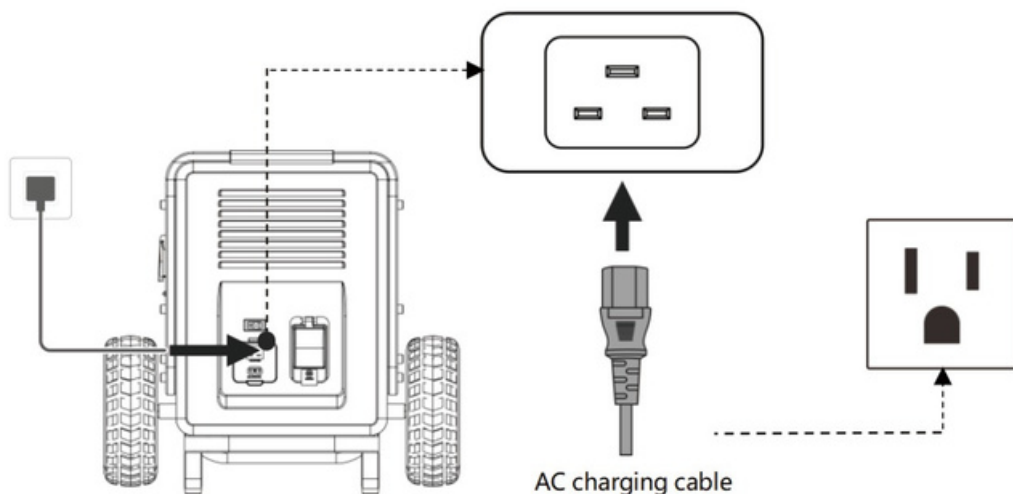
Notice:

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. If the product is not operated within 5 minutes, the product will enter sleep state and the LCD screen will automatically turn off. When the product has load changes or operations, the LCD screen automatically lights up.
3. The default standby time of this product is 2 hours. If other output power keys are not turned on and no load is connected to the product, the product will automatically shut down after 2 hours.

Recharge Methods

⚡ AC Charging

To charge the device using the standard AC charging cable, you need to manually turn on the input circuit breaker protection switch 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 1800W fast charging, which takes about 2.5 hours to fully charge.



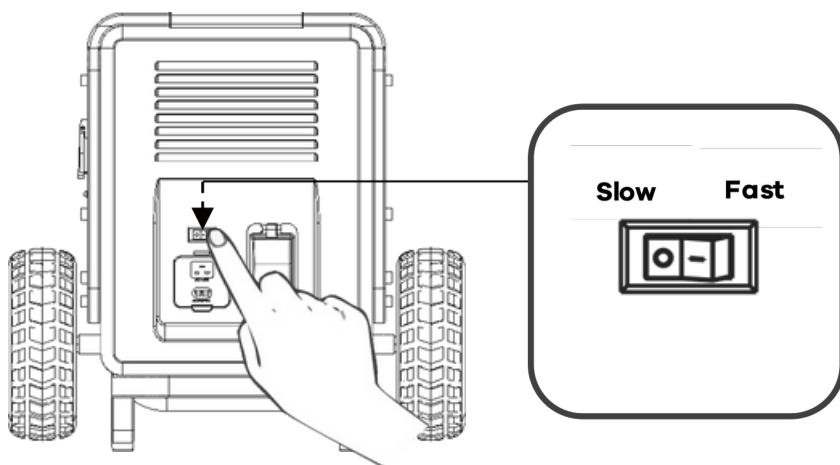
Recharge Methods

⚡ 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 'SLOW' position for slow charging with an input power of 900W, and the switch is in the 'Fast' position for fast charging with an input power of 1800W;

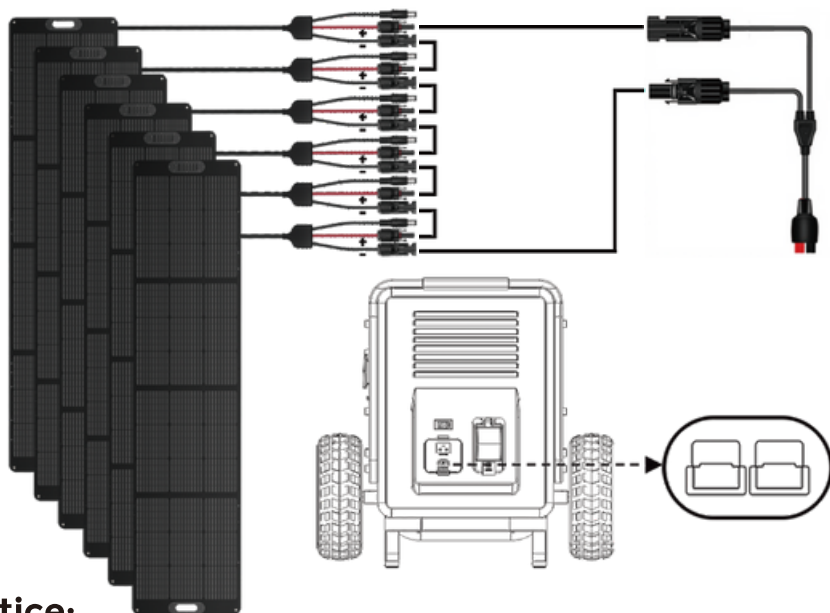
Note: The product's fast and slow charging function must be turned off when switching.



Recharge Methods

⚡ Solar Charging

Use the accessories 1 "Anderson to MC4 adapter cable" to connect the standard solar panels to the device. Up to 6×240V solar panels can be connected in series, and it takes about 3.5 hours to fully charge.



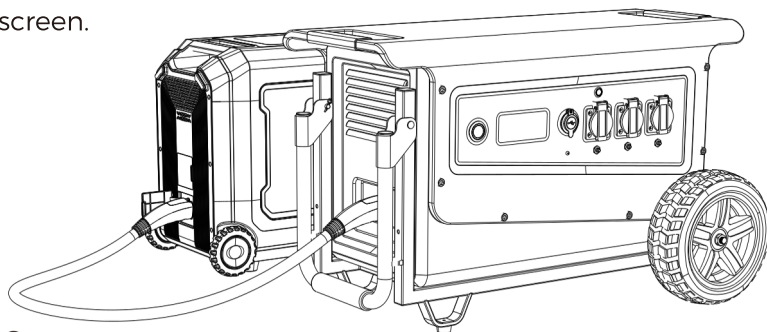
Notice:

1. The solar charging cable (MC4-Anderson adapter cable) and solar panel must be purchased by yourself. If you want to buy an extension cable with MC4 cable, please go to oupes.com
2. When using the supporting solar panel to charge this product, please make the connection according to the user manual specifications.
3. Before connecting the solar panel, please confirm that the output open circuit voltage specification of the solar panel is within 150V to avoid damage to the product.

Recharge Methods

⚡ Power Pack Charging

Power pack(up to one) 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.



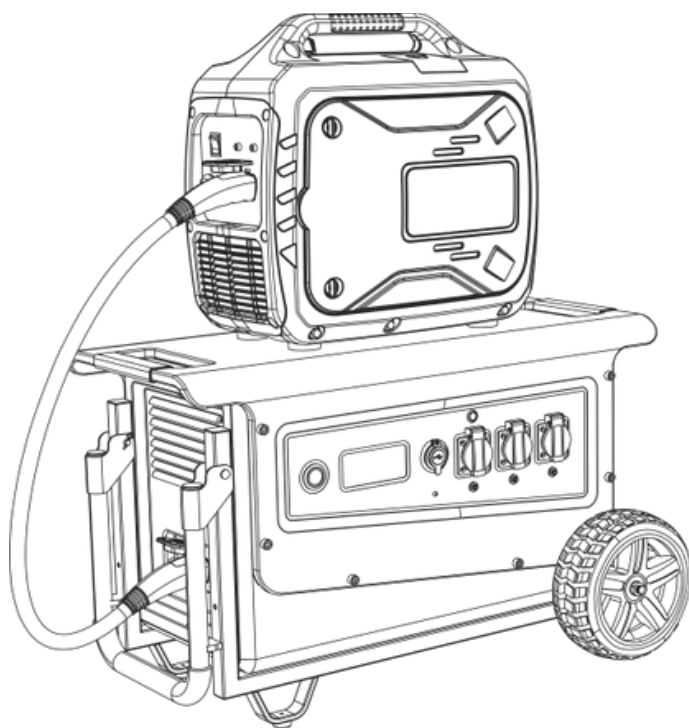
Notice:

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

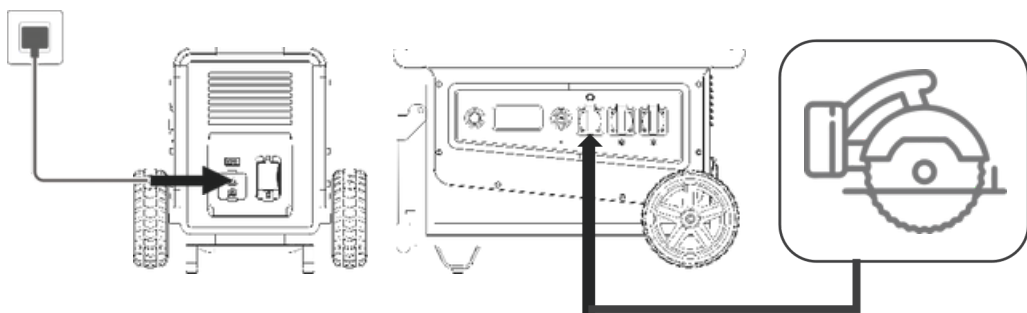
Notice:

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

Manually turn on the AC input circuit breaker when it is turned on. This device supports the EPS (emergency power backup) function. When the AC input port of the power grid and this product is connected through the AC charging cable, and the AC input circuit breaker is in the ON state, the appliances can use the AC output ports to work (at this time 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.



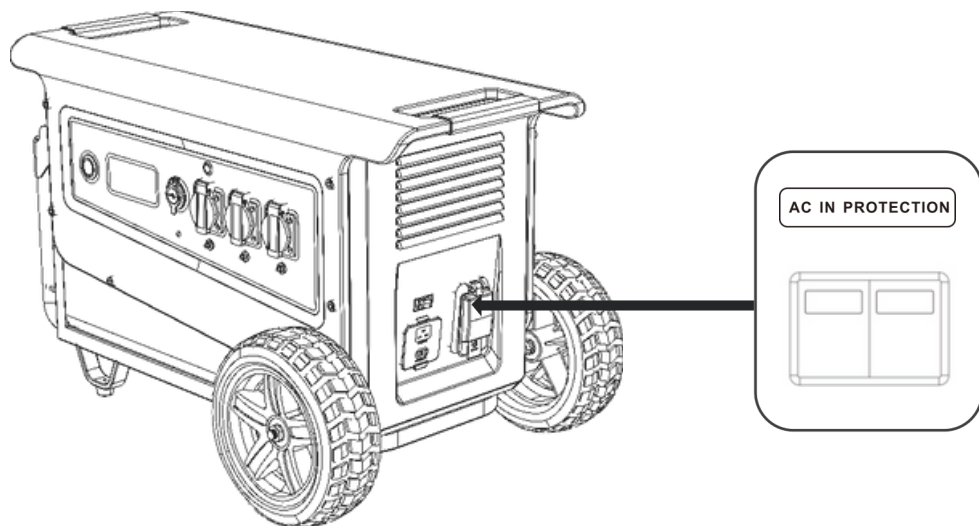
Notice:

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 2200W (input + output). When the load and charging reach 2200W, it will delay for one minute to report overload and shut down the output. If it is higher than 2200W, 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

⚡ Circuit Break Protection Function

1. When AC charging, you need to manually open the AC IN circuit breaker protection switch.
2. In the EPS functional state, the AC IN circuit breaker and AC switch need to be turned on at the same time (load priority: charging + load < 2200W).



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 4000W 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	Fault information	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 2200W 1 min., 4000W 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
E007	PV input low-voltage/over-voltage protection	No solar input	It will recover automatically when input voltage adjust to the input voltage range
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

Fault Code and Trouble Shooting

Fault code	Fault information	Status	Remarks
E022	Battery cell low voltage alarm	Battery capacity percentage flashing	Connect the AC charging cable and keep charging until the voltage is normal
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
E027	System overload	 Flashing, AC output close, DC output is normal, the AC load is higher than 4200VA or AC+DC load is higher than 4200W	You need to manually press the AC power ON/OFF button to recover
E028	Charging over-temperature	 +  Flashing, charging stop	Automatically resumes after temperature recovery

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°C to 30°C.
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°C or below -10°C 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.