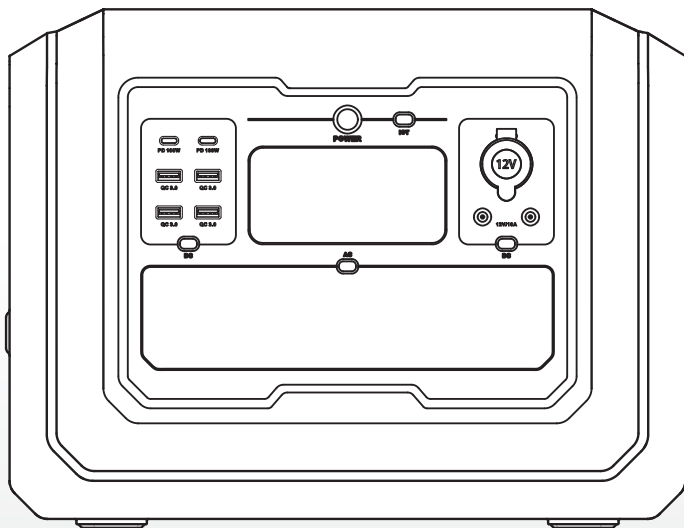


User Manual



S 1

2000W Portable Power Station

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Disclaimer

Before using this product, please read this user manual carefully to ensure that you fully understand the product and can use it correctly. After reading this user manual, please keep it in a safe place for future reference. Improper use of this product may cause serious injury to yourself or others, or result in product damage and property loss. By using this product, you are deemed to have understood, recognized and accepted all the terms and contents of this document. The Company shall not be responsible for any damages caused by the user's failure to use this product in accordance with this user manual.

In accordance with laws and regulations, the company reserves the right of final interpretation of this document and all documents related to this product. This document is subject to change, update, revision or termination without notice.

Please visit our website for the latest product information.

The company shall not be held responsible for any damage caused by force majeure (e.g. fire, typhoon, flood, earthquake) or use under other abnormal circumstances by the customer.

Transportation

1. Do not subject this product to severe impacts, vibrations, or drops.
2. Do not carry this product onto a plane.

Environment

3. Keep the product away from water resources, heat resources, metal objects and chemical substances and dust environment.
4. Place the product on a stable and flat surface.
5. Store the product in a dry, well-ventilated place.
6. Follow the environment temperature requirements specified in the user manual.
7. Do not use the product in an environment with strong static electricity or magnetic fields.
8. Keep the product out of reach of children and pets.

Operation

9. Do not damage, repair, modify or disassemble this product by yourself.
10. Do not use any unofficial or not recommended components or accessories.
11. Remember to turn on the product before connecting your devices.

Disclaimer

12. Always disconnecting your devices before turning off the product.
13. Do not put fingers or hands into the product.
14. Do not insert wires or other metal objects into the product to prevent short circuits.
15. Do not use the product to power medical equipment and precision instrument.
16. Do not stack any heavy objects on the product.
17. Risk of Electric Shock: Never use the product to power tools to cut or access live parts or live wirings, or materials that may contain live parts or live wirings inside, such as building walls, etc.

Emergency

18. If the product falls into water or gets wet, stop using it immediately and place the product in a secure, waterproof, and well-ventilated area, then contact customer service for further support.
19. If the product is smoking or catches fire, it is recommended to use the fire extinguishers.
20. If the product is overturned and severely damaged, wear insulating gloves to turn it off, and then place the product in an open area far from flammable materials and people, and dispose of it according to local laws and regulations.

Recycling and Disposal

21. The product with severe damage, malfunction, or depleted battery life should be properly disposed of or recycled.
22. The product contains batteries. Please dispose of the product following local laws and regulations for battery disposal and recycling. Do not dispose of it with household waste to avoid environmental pollution and safety hazards.
23. If possible, ensure the battery is completely discharged (to 0% capacity) before disposing of the product. If not, refrain from placing the battery directly into a battery recycling box. Instead, contact a professional battery recycling company for proper handling.

APP&Product List

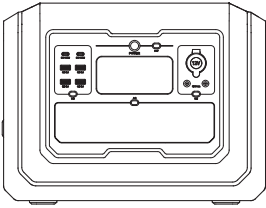
⚡ APP

You can connect this product via APP to view information, control the device and personalize settings.

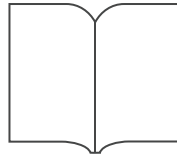


[Scan the QR code to download our Smart Control APP.](#)

Product List



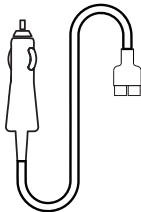
Power Station*1



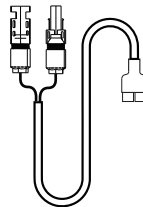
User Manual*1



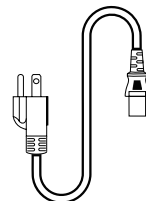
Warranty Card*1



Cigarette Lighter to Anderson Cable*1



MC4 to Anderson Cable *1



AC Charging Cable *1

Product Description

⚡ Specifications

Output

AC Output	220V~240V 50Hz/60Hz 2000W Max (Surge: 4500W) Bypass Mode: 2000W
DC 12V & Cigarette Lighter Output	12V10A 120W Total
USB-A Output	5V3A; 9V2A; 12V1.5A 18W Per Port
USB-C Output	5V3A; 9V3A; 12V3A; 15V3A; 20V5A 100W Per Port

Input

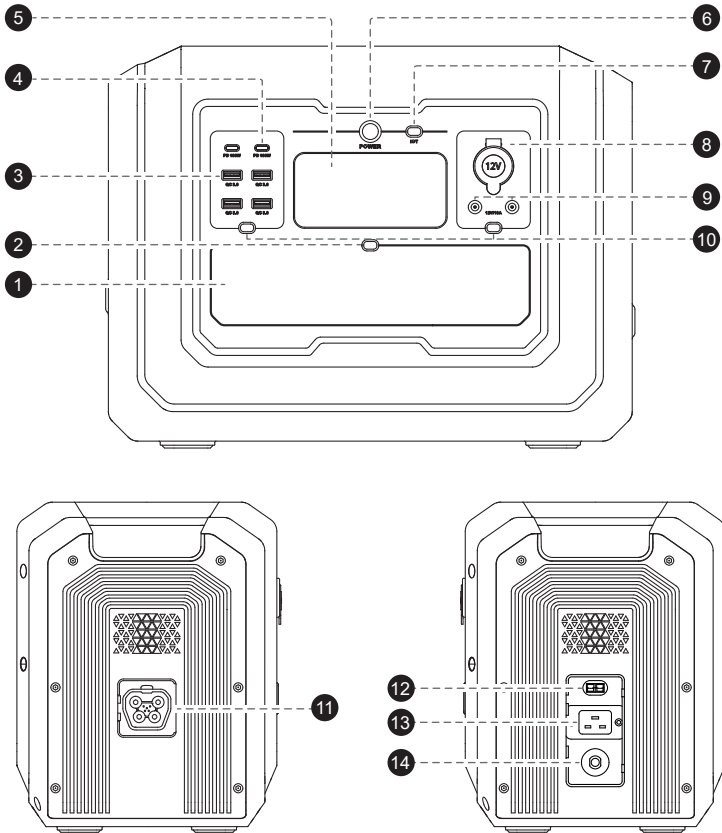
AC Input	190V~250V 50Hz/60Hz 6.5A Max 1400W Max
Solar Input	12V~78V MPPT: 18V~75V 14A Max 800W Max
Cigarette Lighter Input	12V~15V 8A Max

General Info

Battery Capacity	1024Wh(51.2V/20Ah)
Battery Type	LiFePO4
Working Temperature	32°F~104°F (0°C~40°C)
Storage Temperature	-4°F~140°F (-20°C~60°C)
Dimension	Approx. 15.1*9.1*11.6in (384*232*295mm)
Net Weight	Approx. 27.8lb (12.6kg)

Product Description

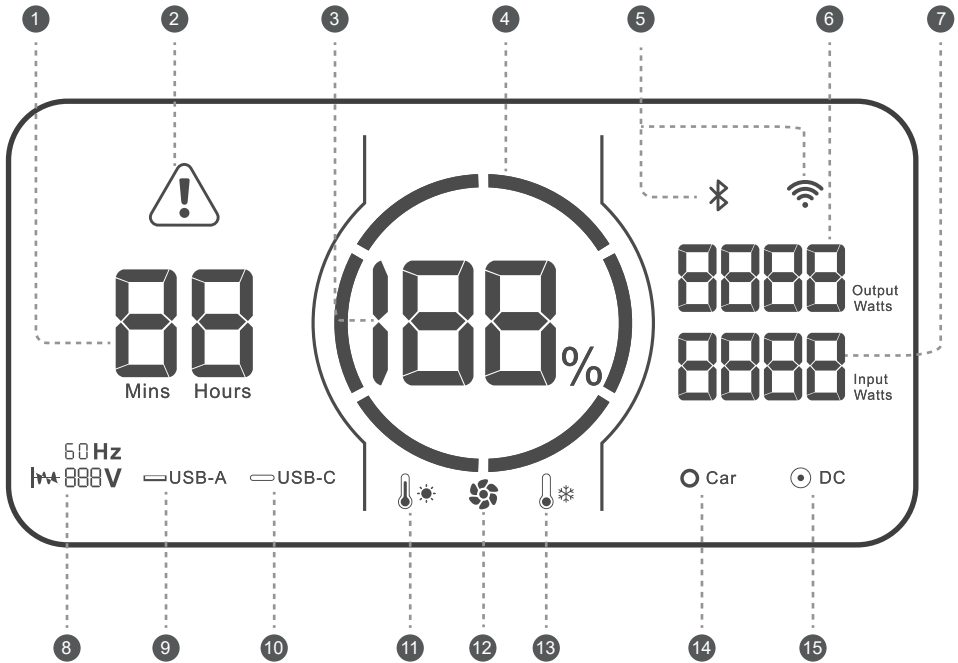
⚡ Overview



- | | |
|---------------------------|----------------------------------|
| 1. AC Output Socket | 8. Cigarette Lighter Output Port |
| 2. AC Output Power Button | 9. DC 5521 Output Port |
| 3. USB-A Output Port | 10. DC Output Power Button |
| 4. USB-C Output Port | 11. Extra Battery Port |
| 5. LCD Screen | 12. Solar/Car Input Port |
| 6. Main Power Button | 13. AC Input Port |
| 7. IOT Button | 14. AC Input Overload Protection |

Product Description

⚡ LCD Screen



1. Charge/Discharge Time Left
2. Error Warning
3. Battery Capacity Percentage
4. Battery Capacity Circle
5. Bluetooth & WiFi
6. Output Power Display
7. Input Power Display
8. AC Output Indicator
9. USB-A Indicator
10. USB-C Indicator
11. High Temperature Indicator
12. Cooling Fan
13. Low Temperature Indicator
14. Cigarette Lighter Indicator
15. DC 5521 Indicator

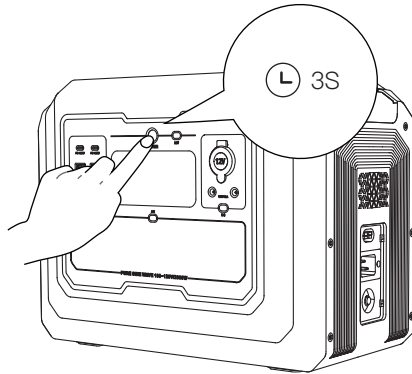
When the power station is charging and discharging simultaneously, it displays the remaining charge time if the input power exceeds output power; Otherwise, it shows a fixed number "99".

Instructions for Use

Power ON/OFF

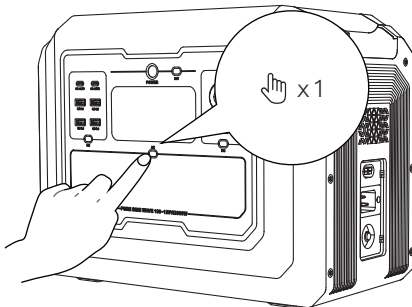
Main Power:

- Press and hold the main power button for 3 seconds to turn the main power on or off.
- When the main power is on, short press the main power button to turn the screen on or off.
- The product will shut down after 5 minutes without operation.



AC/DC Output Power:

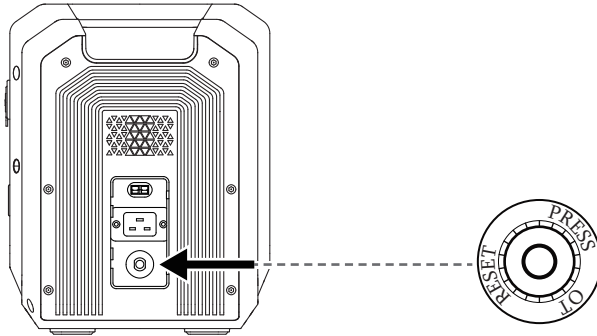
- When the main power is on, press AC/DC output power button to turn on, press them again to turn off.
- The product will shut down after 12 hours without any load connected, which can be adjusted on the APP.



Instructions for Use

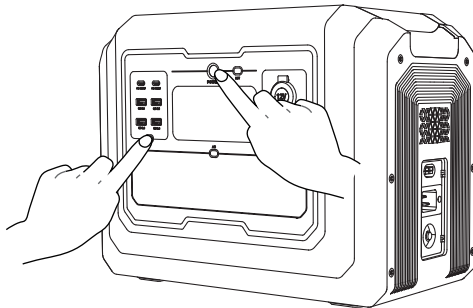
AC Input Overload Protection

- When AC input current exceeds 16A, the protector will blow automatically.
- Please disconnect all the connections for safety reason, and ensure that the current is lower than 16A. Then press the button to resume using.



Frequency Switching

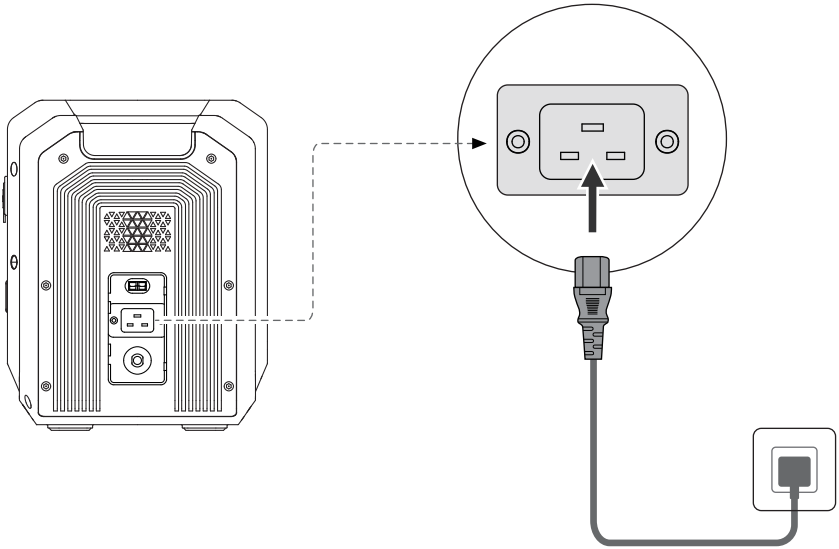
- Turn off the AC and DC output power.
- Simultaneously press and hold DC output power button on USB side and main power button for 3–5 seconds, till the frequency sign flashes on the screen.
- Press AC output power button to choose frequency "50" or "60".
- Long press the main power to confirm, then the abbreviation "SUC" will flicker, indicating a successful setting.
- Long press the main power button to exit the setting mode.



Recharge Methods

⚡ AC Charging

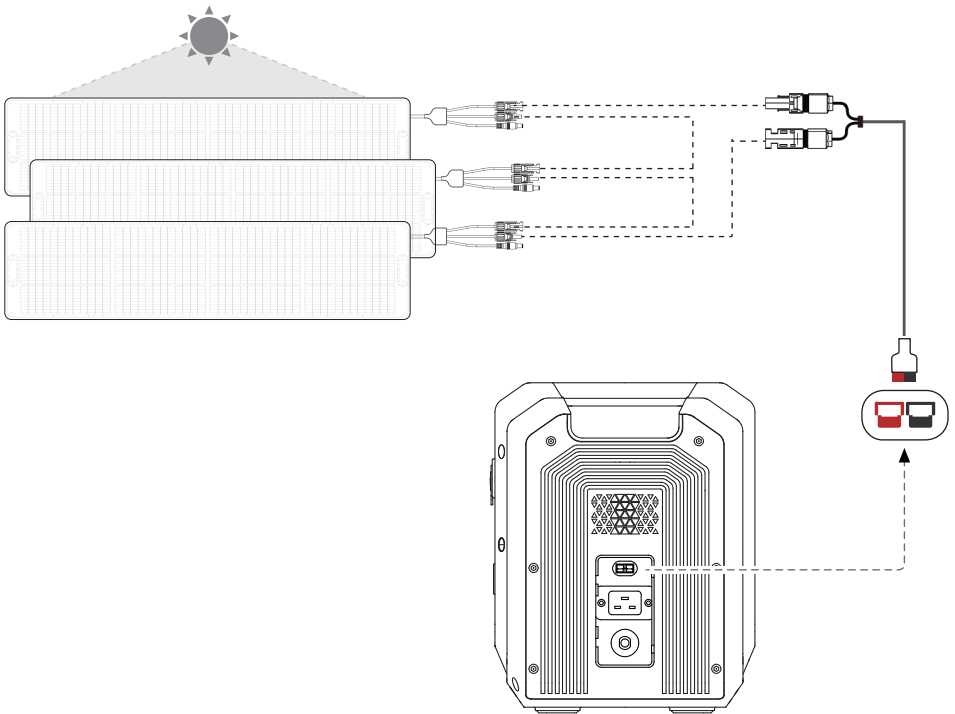
Use AC charging cable to connect the power station to an AC wall outlet.



Recharge Methods

⚡ Solar Charging

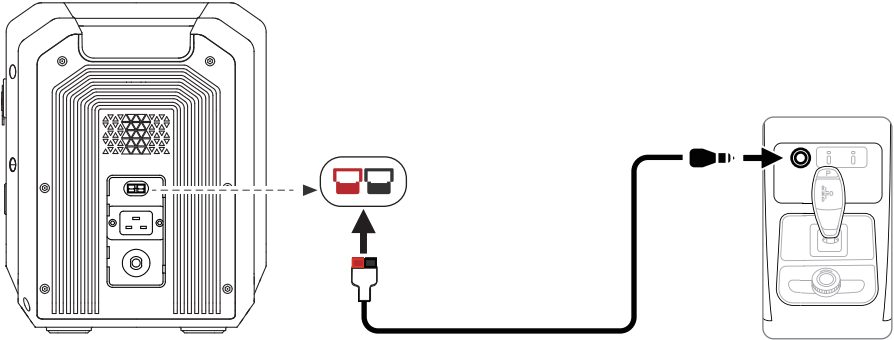
- Use MC4 to Anderson charging cable to connect solar panels to the power station.
- Connect 3*240W solar panels at most in series to get maximum power.
- Make sure the solar panels meet the following requirements:
OCV: 78V; Current: 14A; Max Power: 800W



Recharge Methods

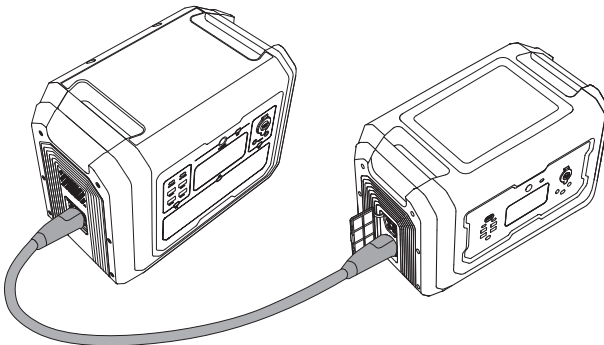
⚡ Cigarette Lighter Charging

- The cigarette lighter port supports 12V~15V, 8A car charging input.
- Start the car first, then connect the cable and cigarette lighter. Make sure they're in good connection.



⚡ Extra Battery Charging

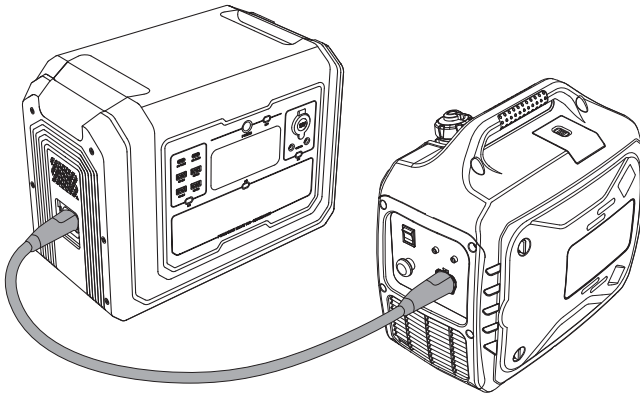
- Turn off the power station and the extra battery before connecting or disconnecting them.
- Use battery expansion cable to connect the extra battery to the power station.



Recharge Methods

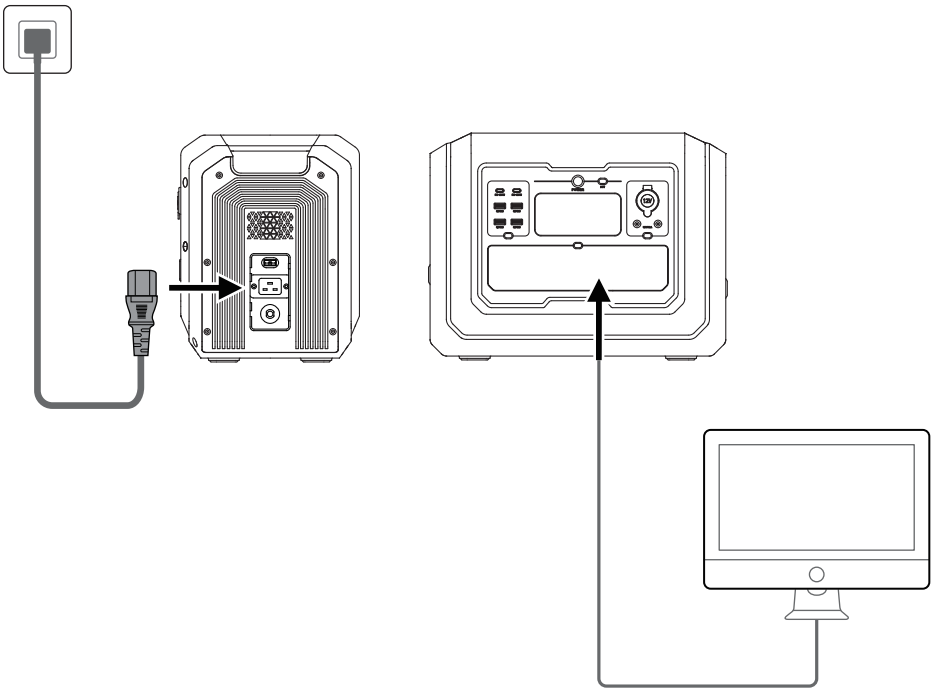
⚡ Gasoline Inverter Generator Charging

- a) Turn off the power station and the generator before connecting or disconnecting them.
- b) Use battery expansion cable to connect the generator and the power station, and refer to the generator's user manual before using the generator.
- c) When detecting the power station only have 20% capacity left, the generator will starting charging the power automatically; And it will stop charging when the power station is charged to 90%.
























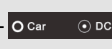














EPS(Emergency Power Supply)









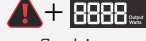
- a) EPS function is enabled by default with a 20ms switching when grid power is cut off.
- b) Charge the power station from power grid and connect the device to AC output port as shown in the picture, then press AC output power button on.
- c) Please do not connect the power station to equipment requiring 0ms uninterrupted power supply. Please test and make sure the device is compatible with EPS function.
- d) The total input and output power should lower than 2000W. Otherwise, the power station will shut down in 1 minute.



Error Code & Trouble Shooting

Error Code	Status	Cause	Solution
E000	 +  +  flashing, no output	Short circuit of AC output.	Press the AC output power button to restore.
E001	 +  +  flashing, no output	Overload of AC output.	Press the AC output power button to restore.
E002	 +  +  flashing, no output	Battery voltage of inverter input is low.	Charge the device in time and restart the corresponding function button to restore.
E003	 +  +  flashing, no output	Over voltage and under voltage of AC output.	Press the AC output power button to restore.
E004	 +  +  flashing, no input	Abnormal AC input frequency.	Automatically restores after frequency returning to normal.
E005	 +  flashing, no output	High and low bus voltage.	Press the AC output power button to restore.
E006	 +  +  +  flashing, no output	Over temperature of Inverter.	Turn off output power and rest the device to restore.
E010	 +  +  flashing, no output	Overload or short circuit of the cigarette lighter output port.	Press the DC output power button to restore.
E011	 +  +  flashing, no output	Overload or short circuit of the USB-A port.	Press the DC output power button to restore.
E012	 +  +  flashing, no output	Overload of the USB-C port.	Press the DC output button to restore.
E017	 +  flashing, no output	Hardware is abnormal.	Turn on AC power again after turning off main power for 5 minutes.
E020	 +  flashing	BMS communication failure.	Contact after sales service team for further support.
E021	 +  flashing	Over voltage of single battery cell.	Stop charging and discharge until the battery voltage returns to normal.

Error Code & Trouble Shooting

Error Code	Status	Cause	Solution
E022	 flashing, no output	Low voltage of single battery cell.	Charge the device until the voltage returns to normal.
E023	 flashing	Battery total voltage too high.	Stop charging and start discharging until the battery voltage returns to normal.
E024	 flashing, no output	Battery total voltage too low.	Charge the device until the voltage returns to normal.
E025	 flashing, no output	High temperature of battery.	The device will automatically return to normal when the temperature returns to normal.
E026	 flashing, no output	Low temperature of battery.	The device will automatically return to normal when the temperature returns to normal.
E027	 flashing, no AC output. DC output is normal.	System overload, AC output is over 2100VA or the total AC and DC output is over 2100W.	Reduce AC loads and press the AC power button to restore.
E028	 flashing, no input	Charge over temperature.	Charge the device after the temperature returning to normal.
E029	 flashing, no input	Over temperature of MOSFET.	The device will automatically return to normal when the temperature returns to normal.
E030	 flashing	Connect the wrong expansion battery.	Connect correct extra battery to restore.

If the issue persists, contact support.

1.How to clean the product?

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

2.How to store the product?

Store it in a dry, well-ventilated place at room temperature. The recommended storage temperature is $-4^{\circ}\text{F}\sim 140^{\circ}\text{F}$ ($-20^{\circ}\text{C}\sim 60^{\circ}\text{C}$) and keep it away from water resources, heat resources, metal objects and chemical substances.

3.How to maintain the product?

- (1) Charge it to around 60% capacity and turn off the product before storing it.
- (2) For long-term storage, it is recommended to fully discharge and then fully charge the battery(0%–100%) once every 3 months.
- (3) And the warranty will be voided if the product has not been charged or discharged in 6 months.

4.Can this product be charged using a gasoline or diesel generator?

Yes, it can be charged with a generator that has a built-in pure sine wave inverter. The company will not be responsible for any product damage caused by using a generator without this feature.

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

No, this product cannot be brought on board a plane due to aviation regulations for lithium-based batteries.

