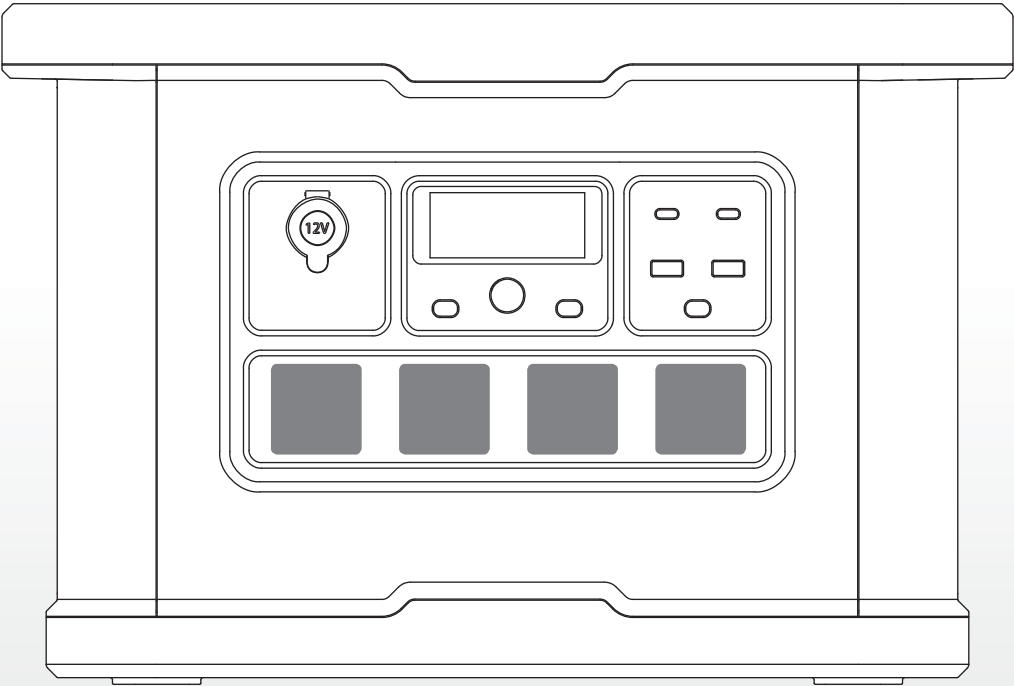


User Manual



S024 Lite

2400W 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.

Disclaimer

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.
- 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.

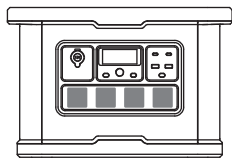
APP&Product List

⚡ APP

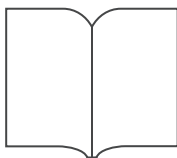
You can connect this product via APP to view information, control the device and personalize settings. Scan the QR code to download our Smart Control APP.



Product List



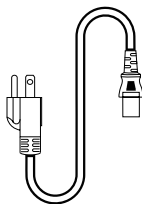
Power Station



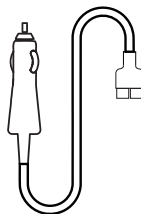
User Manual



Warranty Card



AC Charging Cable



Cigarette Lighter to
Anderson Cable

Product Description

⚡ Specifications

AC Output

AC Output

230V 50Hz/60Hz 2400W Max
Boost Mode: 2600W Surge: 4500W

Bypass Mode

2400W
(EPS: ≤20ms)

DC Output

Cigarette Lighter Output

12V10A 120W

USB-A Output

5V3A; 9V2A; 12V1.5A 18W Per Port

USB-C Output

5V3A; 9V3A; 12V3A; 15V3A; 20V5A; 28V5A 140W Per Port

AC Input

AC Input

200V~240V 50Hz/60Hz 6.5A Max 1400W Max

DC Input

Solar Input

12V~78V MPPT: 18V~75V 14A Max 800W Max

Cigarette Lighter Input

12V~15.5V 8.5A Max

General Info

Battery Capacity

2232Wh(48V/46.5Ah)

Battery Type

LiFePO4

Working Temperature

32°F~104°F (0°C~40°C)

Storage Temperature

-4°F~140°F (-20°C~60°C)

Dimension

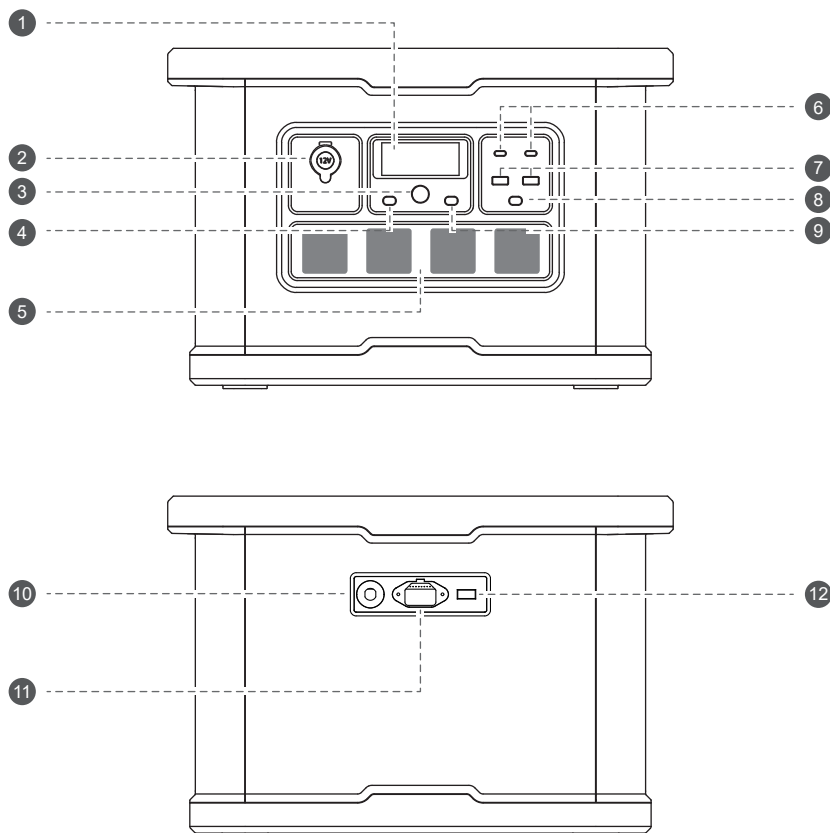
Approx. 17.99*10.62*12.13in (457*270*308mm)

Net Weight

Approx. 45.19lb (20.5kg)

Product Description

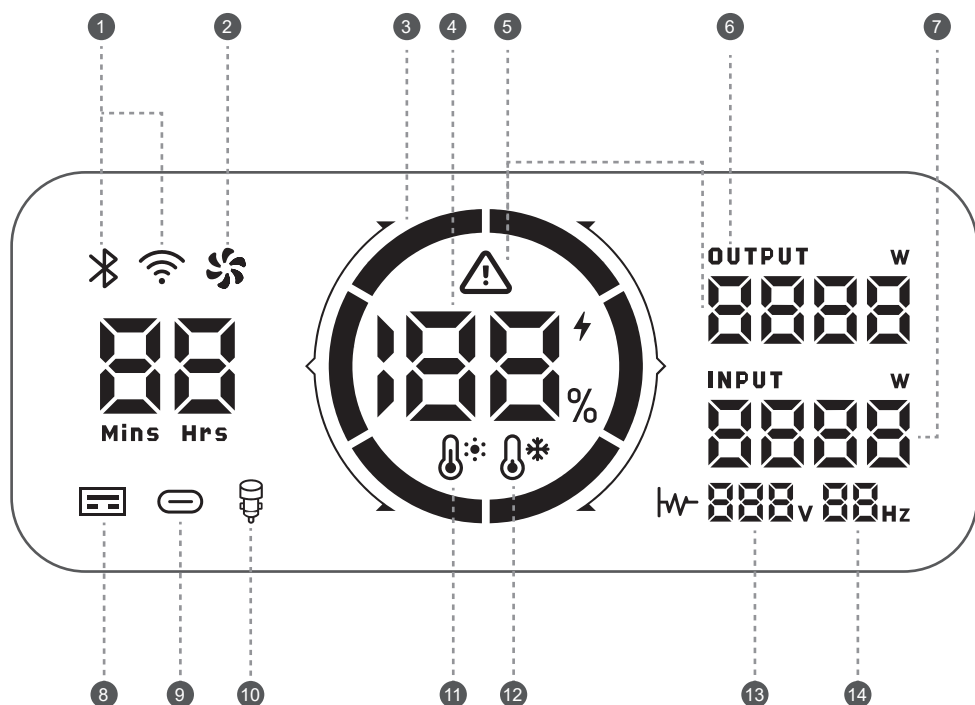
⚡ Overview



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

Product Description

⚡ LCD Screen



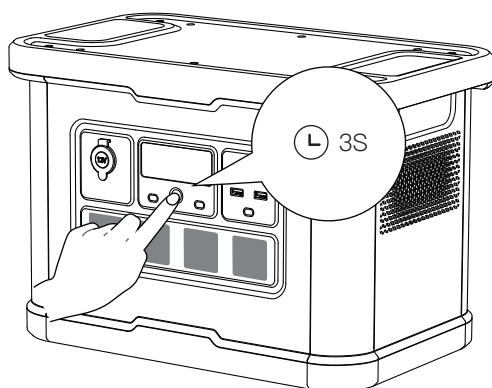
- | | |
|--------------------------------|--------------------------------|
| 1. Bluetooth & WiFi | 8. USB-A Output |
| 2. Cooling Fan | 9. USB-C Output |
| 3. Battery Capacity Circle | 10. Cigarette Lighter Output |
| 4. Battery Capacity Percentage | 11. High Temperature Indicator |
| 5. Error Code | 12. Low Temperature Indicator |
| 6. Output Power | 13. AC Output Voltage |
| 7. Input Power | 14. AC Output Frequency |

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

Press and hold the main power button for 3 seconds to turn the main power on or off.



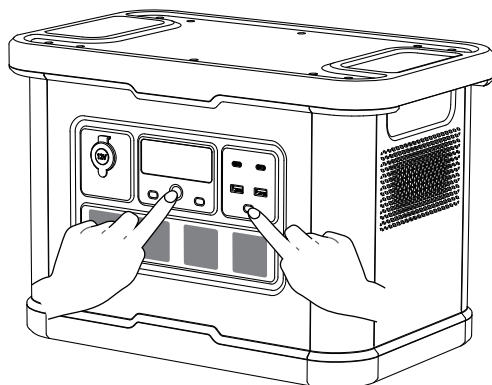
Boost Mode

- 1 Boost Mode is enabled by default. It enables the power station to supply up to 2600W power to high-wattage devices.
- 2 Boost Mode is not available when the AC output on and AC charging are turned on at the same time.
- 3 The boost mode is suitable for most electrical appliances such as heating and motor-driven equipment, some appliances equipped with voltage protection like precision instrument are not applicable to the boost mode.

Instructions for Use

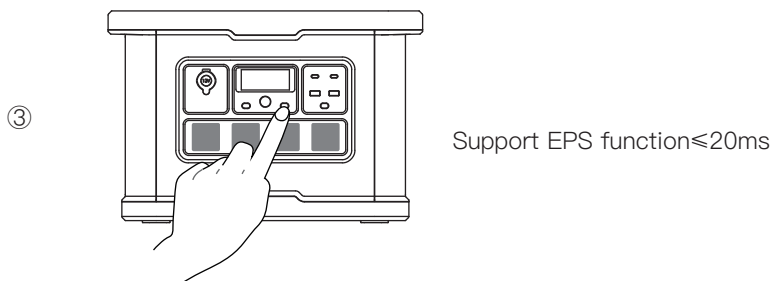
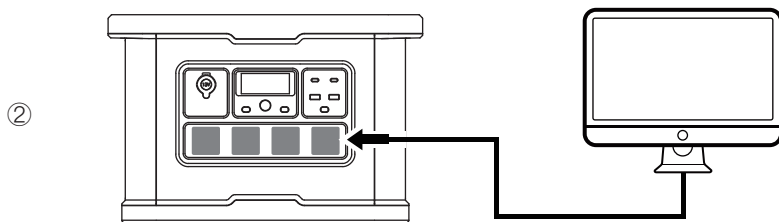
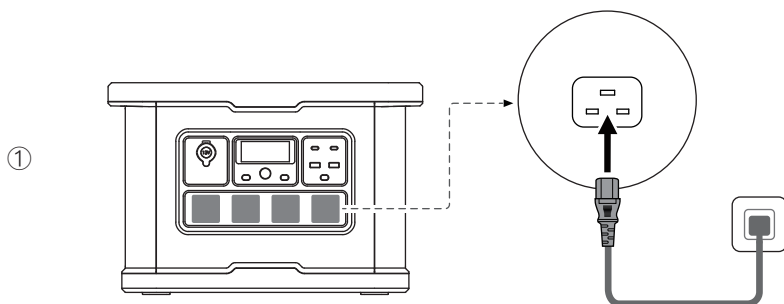
Frequency Switching

- ① Turn off the AC and DC output power.
- ② 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.
- ③ Press AC output power button to choose frequency "50" or "60".
- ④ Long press the main power to confirm, then the abbreviation "SUC" will flicker, indicating a successful setting.
- ⑤ Long press the main power button to exit the setting mode.



EPS Function

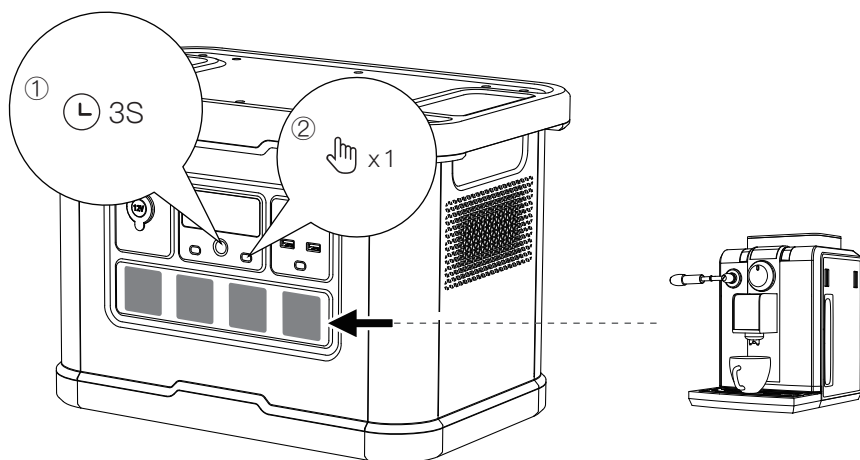
- ① EPS function is enabled by default.
- ② The total input and output power should be below 2400W.
- ③ Please do not connect the power station to equipment requiring 0ms uninterrupted power supply. Please test and make sure the device is compatible with EPS function.



Power your Loads

⚡ AC Powering

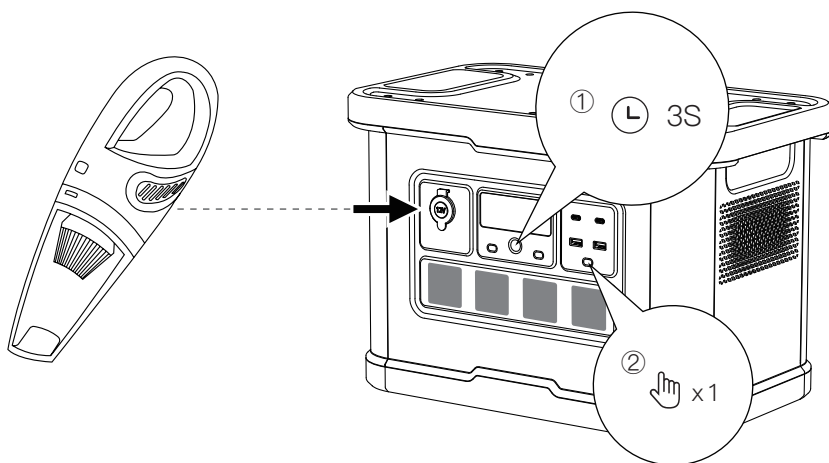
Disconnect your loads and press the AC output power button to turn off the AC output after using.



Power your Loads

⚡ DC Powering

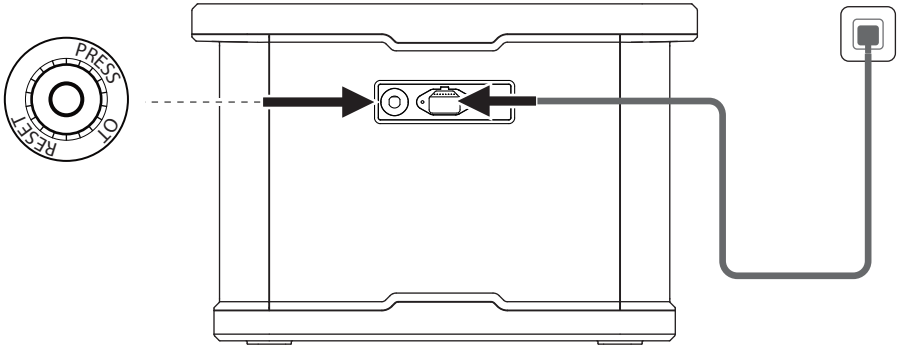
Disconnect your loads and press the corresponding DC output power button to turn off the DC output after using.



Recharge Methods

⚡ AC Charging

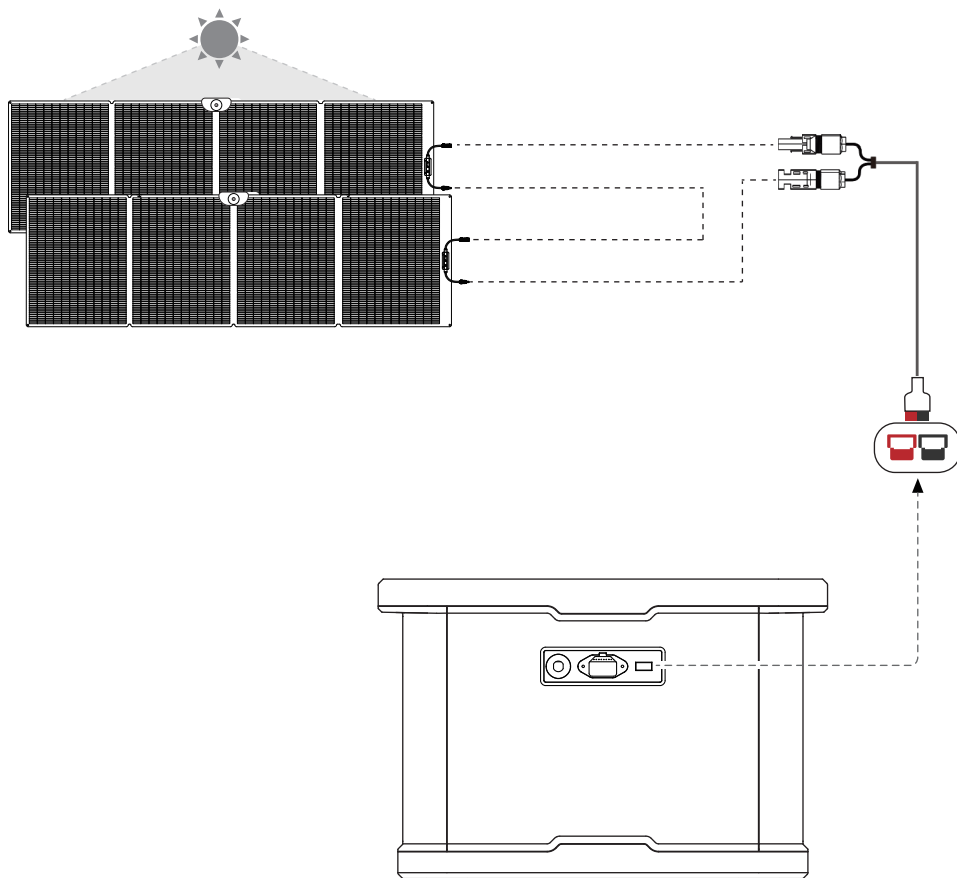
- 1 Slow charging recommended. Fast charge only if required.
- 2 AC Input Over Current Protection: If the protector pops out, please disconnect all the connections and ensure that the AC input current is below 10A. Then, press the protector button to resume charging.



Recharge Methods

⚡ Solar Charging

Please make sure the open-circuit voltage of the solar panel is below 78V.

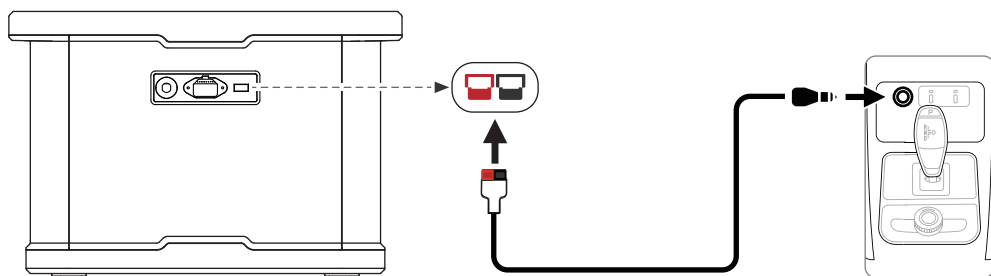


Adapter cables are not included and need to be purchased separately.

Recharge Methods

⚡ Cigarette Lighter Charging

Start the car first, then connect the cable and cigarette lighter. Make sure they're in good connection.



12~15.5V, 8.5A Input

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.	Press the AC output power button to restore.
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 2500VA or the total AC and DC output is over 2500W.	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.

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 brought on board a plane?

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

