

Safety Guidelines

A photovoltaic panel as an input for charging the internal battery shall be provided with an inverter and/or a charge controller in accordance with UL 1741 or UL 62109-1;

The external power supply shall be a power source in accordance with the Standard UL 60950-1 and CAN/CSA C22.2 No. 60950-1, or UL 1310 and No. 1, CAN/CSA C22.2 No. 223, or No.1, CAN/CSA C22.2 No. 223;

A vehicle adapter that complies with the enclosure and input contacts requirements in the Standard for Vehicle Battery Adapters, UL 2089, and Power Supplies, CAN/CSA C22.2 No. 107.1. The connector plug shall incorporate a fuse or other protective device having a current rating not greater than 15 A.

INSTRUCTIONS PERTAINING TO RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS

IMPORTANT SAFETY INSTRUCTIONS

1. WARNING – When using this product, basic precautions should always be followed, including the following:

- a) Read all the instructions before using the product.
- b) To reduce the risk of injury, close supervision is necessary when the product is used near children.
- c) Do not put fingers or hands into the product.
- d) Use of an attachment not recommended or sold by power pack manufacturer may result in a risk of fire, electric shock, or injury to persons.
- e) To reduce risk of damage to the electric plug and cord, pull the plug rather than the cord when disconnecting the power pack.
- f) Do not use a battery pack or appliance that is damaged or modified. Damaged or modified batteries may exhibit unpredictable behavior resulting in fire, explosion or risk of injury.
- g) Do not operate the power pack with a damaged cord or plug, or a damaged output cable.
- h) Do not disassemble the power pack, take it to a qualified service person when service or repair is required.

Incorrect reassembly may result in a risk of fire or electric shock.

l) To reduce the risk of electric shock, unplug the power pack from the outlet before attempting any instructed servicing.

j) WARNING – RISK OF EXPLOSIVE GASES.

1) To reduce risk of battery explosion, follow these instructions and those published by battery manufacturer and manufacturer of any equipment you intend to use in vicinity of the battery. Review cautionary marking on these products and on engine.

k) PERSONAL PRECAUTIONS

- 1) Have plenty of fresh water and soap nearby in case battery acid contacts skin, clothing, or eyes.
- 2) Wear complete eye protection and clothing protection. Avoid touching eyes while working near battery.
- 3) If battery acid contacts skin or clothing, wash immediately with soap and water. If acid enters eye, immediately flood eye with running cold water for at least 10 minutes and get medical attention immediately.
- 4) NEVER smoke or allow a spark or flame in vicinity of battery or engine.
- 5) Be extra cautious to reduce risk of dropping a metal tool onto battery. It might spark or short-circuit battery or other electrical part that may cause explosion.
- l) When charging the internal battery, work in a well ventilated area and do not restrict ventilation in any way.
- m) Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help. Liquid ejected from the battery may cause irritation or burns.
- n) Do not expose a power pack to fire or excessive temperature. Exposure to fire or temperature above 130°C may cause explosion. The temperature of 130°C can be replaced by the temperature of 265°F.
- o) Have servicing performed by a qualified repair person using only identical replacement parts. This will ensure that the safety of the product is maintained.

SAVE THESE INSTRUCTIONS

General Questions And Answers

Q: How long can the product be stored?

A: It can be stored for 6 months when fully charged. It is recommended to charge it every three months.

Q: How long does it take for the product to be fully charged?

A: Charge from 3% to 90% with the original adapter for about 6 hours, and it can be fully charged in about 9 hours.

Q: Can you charge the product with DC charging port and usb-c port at the same time?

A: It can be charged at the same time, and the charging time will be shortened.

Q: Can the product be used while charging?

A: It can be used while charging. When the output power is greater than the charging power, the battery power will be reduced. When it is reduced to a low power state, the output will be turned off.

Q: Does the product have temperature protection?

A: When the internal temperature is higher than 55 °C during charging, it will be protected; when the internal temperature is higher than 60 °C during discharging, it will be protected.

Q: Will the product shut down automatically?

A: It will not shut down automatically until it is fully discharged. Under normal circumstances, it will not shut down automatically after power on.

Q: Can the product be used to start the car?

A: It cannot be directly used to start the car. However, another charging line can be selected to charge the starting battery of the car. When the power of the product is $\geq 20\%$, the car can be started after charging for 5-10 minutes.

Q: After being fully charged, the power percentage and Fu are not displayed synchronously or have errors. Is it normal?

A: Normal image: "Fu" will be displayed when fully charged, but the power percentage may be 99%.

FCC Radiation Exposure Statement

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.

FCC Warning

This device complies with Part 18 of the FCC Rules.

Refer to FCC Part 18.213(c) and KDB 784748 Anner A section A.5:

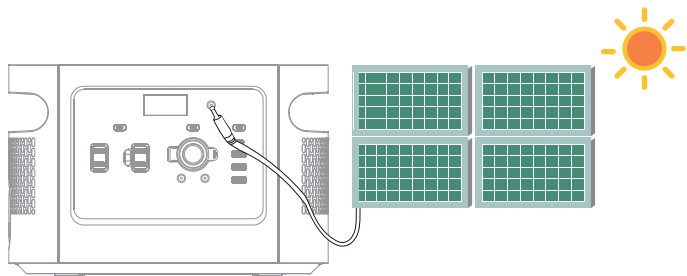
(a) Max. Electric Field Emissions: 5.37V/m Max. Magnetic Field Emissions: 0.43V/m

(b) The maintenance of the system is the responsibility of the manufacturer.

(c) To prevent interference, the product should be as far away from devices operating at the same frequency as possible.

Solar Panel Charging (optional)

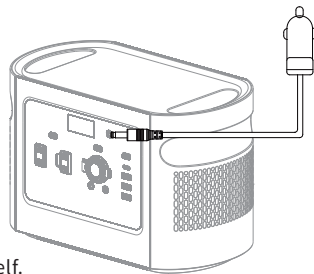
1. Place the solar charging panel in direct sunlight. (Note: Do not expose the product to direct sunlight or moisture)
2. Connect the output round plug (5.5mm) of the solar panel to the DC charging port, and the charging starts.
3. After charging, please remove the round plug of the solar panel from the DC charging port.



Car Charging (optional)

1. Connect the round plug (5.5mm) of the car charger cable to the DC charging port of this product, and then insert the car charger plug into the vehicle's 12V car charger port to start charging.
2. After charging, please remove the car charger first, and then pull the round charging plug out of the DC charging port.

Note: Do not insert the car charger plug into the car charger port of this product to charge itself.



Troubleshooting

1. There is no response when the product is turned on, and DC, USB, AC and LED lights have no output. Terms of settlement:
 - Remove all electrical equipment, then charge it for 5-10 minutes and restart.
 - Please ensure that the product is currently used within the normal temperature range.
2. The product can be powered on, but the corresponding output interface has no output (DC, USB, AC). Terms of settlement:
 - Check whether the product power of is too low. If so, please charge it in time.
 - Check whether the electric equipment is higher than the product output power and resulting in protection, remove the load and restart.
 - Confirm whether the product output meets the power requirements of electrical equipment.
 - Check whether there is a short circuit between the output port and the electric equipment. Remove the equipment and restart it
 - Check whether the equipment can be used normally by using other power sources, which may be caused by incompatibility of individual equipment.
3. Unexpected shutdown during use. Terms of settlement:

The startup of the internal protection system leads to the shutdown of the product, and the events that may lead to the startup of the protection system include overcharge, over discharge, high temperature, low temperature, overcurrent and short circuit. In order to quickly solve the problem, please remove all electrical equipment, keep the product temperature static within the normal temperature range, and charge the product for 5-10 minutes. At the same time, check whether the electrical equipment is faulty, then restart.
4. The product cannot be charged. Terms of settlement:
 - Please confirm whether the charging electrical parameters are within the charging range of this product.

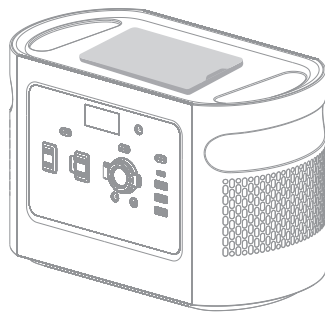
Check whether the current equipment has started the temperature protection because the temperature is too high or too low.

Maintenance And Service

- It is recommended to use or store the product at 20 °C to 30 °C, away from water source, heat source and other metal objects.
- For safety reasons, do not store the product in an environment higher than 45 °C or lower than - 20 °C.
- If you need long-term storage, please charge and discharge the product every 3 months (that is, discharge the product to 30% and then charge it to 60%).
- If the power of this product is less than 1% after use, please charge it to 60% before storage. If it is left idle for a long time under the condition of serious power shortage, it will cause irreversible damage to the cell and shorten the service life of the product.

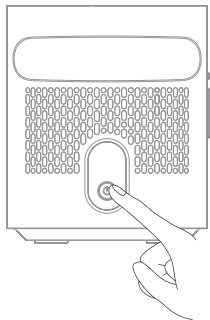
Wireless Charging

1. Press and hold the USB switch to turn on the wireless charging function, the display screen will show wireless charging output symbol.
2. Put the device to be charged on the top center position for wireless charging. The charging position may need to be adjusted appropriately for different charging devices.
3. After use, long press the USB switch to turn off the wireless charging function.



LED Lighting

1. Short press the LED switch to turn on the LED lighting function.
2. Short press the LED switch to change the LED modes in sequence: Weak, Medium, Strong, SOS, flash, Off.

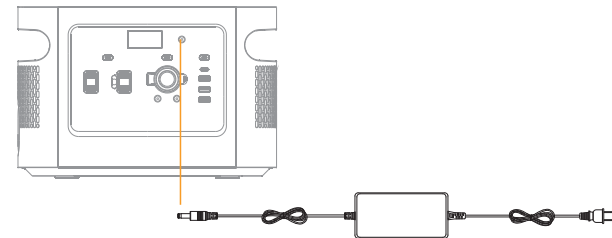


Power Off With One Button

Press and hold the LED switch to turn off with one button (close all enabled functions), and the display will be turned off.

Adapter Charging

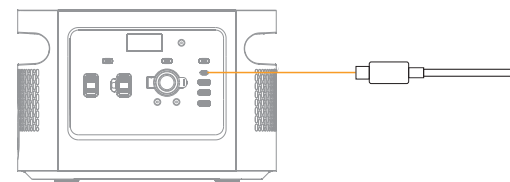
1. Insert the round charging plug of provided adapter into the DC charging port, and then insert the power plug of the adapter into the mains socket to charge.
2. After charging, please pull the adapter power plug out of the mains socket, and then remove the round charging plug from the DC charging port.



Note: Please do not plug the adapter power cord into the product's AC outlet to charge itself.

USB-C Charging

1. Connect the USB-C charging cable to the USB-C port of the product, and then plug the other end of the USB-C charging cable into the USB charging socket to start charging.
2. After charging, please unplug the USB-C charging cable from the USB-C port.
3. USB-C charging can be performed simultaneously with power adapter charging/solar panel charging/car charging.



Note: Please do not use the product's output to plug into the product's USB-C to charge itself.