

Outdoor Generator

User Manual

V1.0

PORTABLE POWER STATION



Disclaimer

Before using the P800E , please read the user manual to ensure proper operation with full understanding. After reading, keep the manual properly for future reference. Incorrect operation 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, acknowledged, and accepted all terms and contents of this document. The manufacturer shall not be liable for any losses caused by failure to comply with the user manual.

In compliance with laws and regulations, our company reserves the final right to interpret this document and all related product documentation. Updates, revisions, or discontinuations may occur without prior notice. Please visit the manufacturer's official website for the latest product information.

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Specifications

Product Information	
Product Name	P800E
Product weight	6.2kg
Product size	L293*W178*H205mm
Battery Capacity	512Wh
Output Ports	
AC output	220-240V/800W, 50/60Hz, sine wave
UPS	200-240V , 3.5A Max
USBQC3.0(*1)	(5 - 12V18W)*1
USB-A(*2)	(5V/2.4A) *2
Type-C(*1)	(5 -15V/3.0A;20V/5A 100W) *1
Car charger output(*1)	(12V10A)*1
DC5521(*2)	(12V/3A) *2
Input Ports	
PV Input (5521)	12V-50V , 7A Max
AC charge	200-240V , Max 500W
Solar Charging Input (5521)	12V-50V , 7A Max
Vehicle Charging Input (5521)	Supports 12V-50V , 7A Max
Battery Specifications	
Battery Type	LFP
Cycle Life	Over 80% capacity retention after 4000 cycles
Protection Type	High temperature protection, Low voltage protection, Over-discharge protection, Over-charge protection, Overload protection, Short circuit protection, Overvoltage protection, Overcurrent protection
Operating Temperatures	
Optimal Operating Range	20℃ to 30℃
Discharging Temperature Range	-10℃ to 40℃
Charging Temperature Range	0℃ to 40℃
Storage Temperature Range	-10℃ to 40℃ (Recommended: 20℃ to 30℃)



1. This product's charging/discharging capability depends on the actual temperature of the battery pack.

Safety Guidelines

WARNING

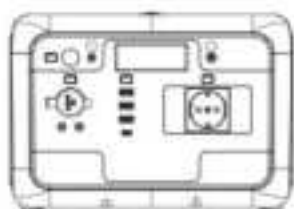
1. Before using the product, please read the safety guidelines carefully.
2. Do not use the product near heat sources (such as fire or heating furnaces).
3. Do not come into contact with any kind of liquid. Do not use the product in rain or humid environments.
4. Do not insert fingers into the product.
5. Avoid operating the battery with damaged wires, plugs, or output cables.
6. Do not use this product near strong static electricity or magnetic fields.
7. Do not disassemble or pierce this product in any way or with sharp objects.
8. To avoid damaging the power plug and wire, when disconnecting the power supply, pull the plug instead of the wire.
9. This product must be grounded. If this product malfunctions or is damaged, grounding can provide a path of least resistance for electric current to reduce the risk of electric shock. This product is equipped with a wire containing a grounding conductor and a grounding plug. The plug must be inserted into a properly installed socket, and the grounding installation must comply with local laws and regulations.
10. During maintenance, users should avoid placing this product on the ground or at a height less than 457mm from the ground.
11. Avoid using damaged or modified equipment. Damaged or modified batteries may pose risks such as fire or explosion.
12. Do not disassemble this product without authorization. If repair is needed, please seek professional help. Improper disassembly may cause fire or electric shock.
13. Avoid using wires or metal objects that may cause short circuits.
14. Do not use unofficial components or accessories to prevent risks such as fire, electric shock, or other personal injuries. If you need replacement accessories, please visit the brand's official channels for relevant information.
15. When using this product, strictly comply with the operating ambient temperature specified in the user manual. If the temperature is too high, it may cause fire or explosion; if the temperature is too low, the product performance may be severely degraded or even cause the product to stop working.
16. Do not place heavy objects on this product.
17. When charging the built-in battery, do not forcibly block the fan, but use the product in a ventilated environment.
18. To reduce the risk of electric shock, remove the product plug from the socket before performing any specified maintenance.
19. Maintenance should be performed by qualified repair personnel using identical replacement parts to ensure safe use.
20. Avoid impacts, drops, or severe vibrations. If severe external impact occurs, immediately turn off the power and stop using the product. During transportation, secure the product properly to avoid vibration and impact.
21. If the product accidentally falls into water during use, place it in a safe open area. Do not approach the product until it is completely dry. The dried product must not be used again and should be properly disposed of according to the methods described in the "Disposal" section below. If the product catches fire, use fire extinguishing equipment in the following recommended order: water or water mist, sand, fire blanket, dry powder, carbon dioxide fire extinguisher.
22. Use a clean cloth or tissue to wipe the product ports.

23. Place the product on a flat surface to prevent tipping over. If the product tips over and is severely damaged, immediately turn off the product, place the battery in an open area away from people and flammable materials, and dispose of it in accordance with local laws and regulations.
24. Children must be closely supervised when near the product.
25. Store the product in a well-ventilated and dry place.
26. In humid environments (such as seaside or waterside areas), it is recommended to use the product with a moisture-proof bag to avoid water immersion. If water ingress is found inside the product, do not use/turn it on again. Take anti-electric shock measures before touching the product. Immediately place it in a safe, waterproof open area and contact OUKITEL customer service for assistance.
27. This product is not recommended for powering life-support medical emergency equipment, including but not limited to medical-grade ventilators. For home use, it can operate normally and generally does not require continuous professional monitoring. Please follow medical advice and consult the manufacturer of the medical device regarding usage restrictions. When used with general medical equipment, be sure to monitor the battery level to prevent complete discharge.
28. The power product will inevitably generate electromagnetic fields during operation, which may interfere with the normal operation of implanted medical devices or personal medical equipment. If you use such medical devices, please consult the manufacturer for usage restrictions to ensure a sufficient safe distance is maintained between this product and the implanted medical device during operation.
29. When connecting a refrigerator load in normal mode, the power product may automatically shut down due to the refrigerator's power fluctuation characteristics. If the refrigerator contains medicines, vaccines or other high-value items, it is recommended to ensure continuous power supply when connected to the power product. Users should monitor the power consumption status.
30. Keep these safety instructions.

Disposal

1. When conditions permit, please ensure the product's battery is completely discharged before placing it in the designated battery recycling bin. This product contains batteries, which are hazardous chemicals. Never dispose of them in regular trash bins. For details, please follow local battery recycling and disposal laws and regulations.
2. If the battery cannot be fully discharged due to product malfunction, do not dispose of it directly in the battery recycling bin. Contact a professional battery recycling company for further handling.
3. Over-discharged batteries cannot be reactivated and should be processed as waste.

Packing List



Portable Energy Storage
Power Supply



AC power cord



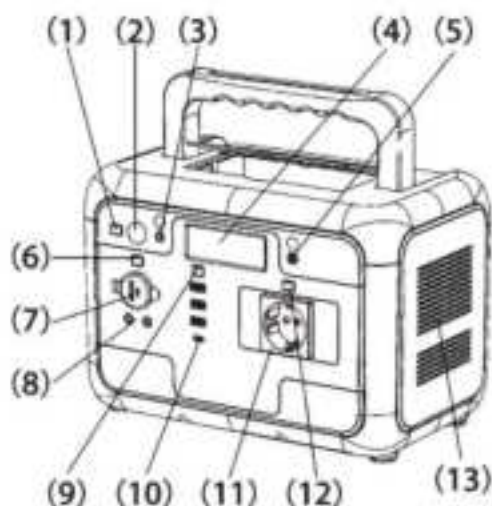
5521-MC4 Solar
Charging Cable



User Guide

Product Display

Exterior Introduction




- (1) LED light switch
- (2) LED light
- (3) PV/Car input port
- (4) Display screen
- (5) POWER on/off
- (6) DC output switch
- (7) Cigarette lighter output

- (8) DC12V output
- (9) USB output switch
- (10) USB-A/Type-C
- (11) AC output
- (12) AC output switch
- (13) Ventilation opening
- (14) AC IN socket

Introduction to Display Interface



- | | |
|-------------------------------|----------------------------------|
| ① High temperature protection | ⑩ Cigarette lighter (12V) output |
| ② Low temperature protection | ⑪ USB output |
| ③ Power status | ⑫ PD output |
| ④ UPS mode | ⑬ Using time/charging time |
| ⑤ PV charging mode | ⑭ Slow charging mode |
| ⑥ Fan status | ⑮ AC output |
| ⑦ Total input power | ⑯ Overload protection |
| ⑧ Total output power | |

Icon	Name	Display Status
	DISCHARGE REMAINING	Battery Level
		DISCHARGE flashing: 0% charge level REMAINING flashing: 100% charge level

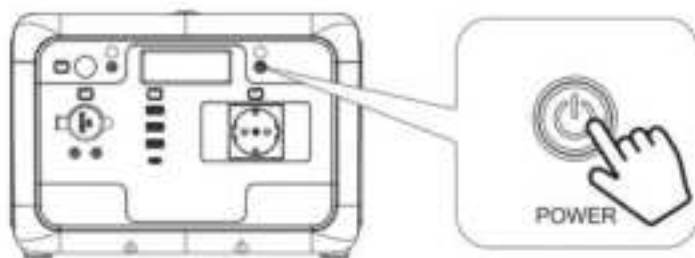


For more information, please refer to "Fault Display and Troubleshooting".

Power On/Off

Press the main power switch to turn on the product. The LCD screen will illuminate, and the main power switch indicator will enter breathing mode.

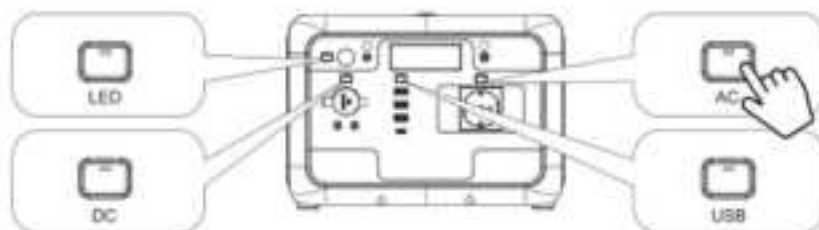
To power off, long-press the power button (approximately 3 seconds or longer) until the product shuts down and the LCD screen displays "OFF".



1. After the product is powered on, pressing the main power switch will turn off the LCD screen without shutting down the product.
2. If there is no operation on the product within 10 minutes after turning on DC and AC, the product will enter sleep mode and the LCD screen will automatically turn off. The LCD screen will light up when there is a load change or operation on the product.
3. The default standby time of this product is 10 minutes. If other output power buttons are not turned on and no load is connected to the product, the product will automatically shut down after 10 minutes.

Device Output Switches

When the product is powered on, "short-press the DC 12V output power switch" or "AC output power switch" to activate the corresponding USB ports, DC output ports, and AC power sockets. Short-press again to deactivate the respective ports/sockets.



1. USB Output Switch: The product will automatically power off after detecting no USB load for 10 minutes when the USB output power switch is activated.
2. AC Output Precautions: Ensure the combined power of all connected devices does not exceed the rated power before using AC output ports.
3. AC/DC Output Management: The AC/DC output power will not automatically shut down when no load is connected. Turn off AC output when not in use to prevent battery drain from inverter power consumption.
4. LED Button Operation Mode: Short-press to cycle through modes (Dim → Bright → SOS → Off).

Device Charging Input

AC Charging

Please use the standard AC charging cable to connect the mains power to the AC charging port to charge this product. Before using the AC port to charge, make sure the AC voltage and frequency of the device are consistent with the mains power.



Please use the original AC charging cable included with the product. Connect it directly to the fast charging port - connection to power strips is not recommended. No liability will be assumed for damages caused by failure to operate the product in accordance with the user manual.

Solar Charging

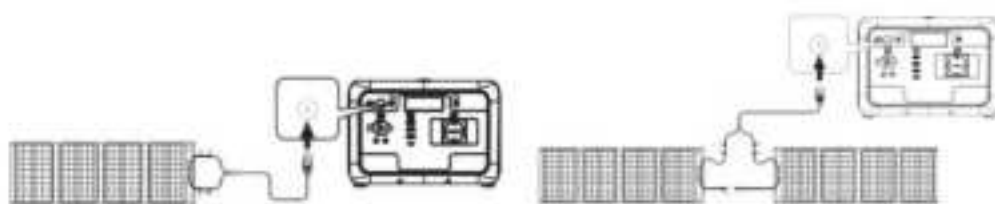


Diagram 1

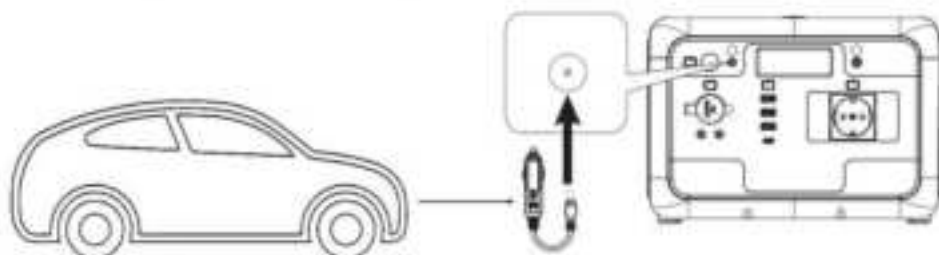
Diagram 2 (Series Connection)



1. The solar panels must be purchased separately.
2. When using solar panels to charge this product, please refer to the solar panel user manual.
3. Before connecting solar panels, confirm their output voltage specifications are within the product's rated range to prevent damage.

Vehicle Charging

The product can be charged through the vehicle's power socket. Charge only after starting the engine to prevent vehicle battery drain that may disable ignition. Ensure proper contact between the vehicle power socket and cigarette lighter input cable. The company shall not be liable for any damages caused by non-standard operation.



Other Features

UPS Function

This product supports UPS (Uninterruptible Power Supply) functionality. When the AC charging cable is used to connect grid power to the product's AC input port, connected devices can operate through the product's AC output ports (powered by grid electricity, not the battery). In case of sudden power outage, the product will automatically switch to battery power mode within 10ms.



This professional-grade UPS function is designed for equipment requiring uninterrupted power supply (e.g. data servers and workstations). Before use, conduct multiple tests to confirm compatibility. It is recommended to connect only one device during operation to avoid triggering the product's overload protection. The company shall not be liable for any equipment malfunction or data loss caused by failure to follow these instructions.











Maintenance and Care

1. Store the product away from water sources, heat sources, and metal objects.
2. To extend battery lifespan, it is recommended to use or store the product in an environment between 20°C and 30°C.
3. For long-term storage, perform a complete charge-discharge cycle every 3 months (discharge to 0%, charge to 100%, then discharge to 30% for storage). Products left without charge-discharge for over 6 months will not be covered under warranty.
4. For safety reasons, do not store the product long-term in environments above 40°C or below -10°C.
5. If the product's battery is severely depleted and left unused for an extended period, it will enter deep sleep mode. The product must be charged before it can be used again.

Frequently Asked Questions

1. What type of battery does the product use?
The product uses high-quality lithium iron phosphate (LiFePO₄) batteries.
2. What devices can the AC output port power?
The AC output port can power most household appliances. However, it is recommended to check the power rating of your appliances before use and ensure the total power consumption of all connected devices does not exceed the rated power.
3. How to know how long the product can supply power?
The product's LCD screen displays the estimated runtime, which can be used as a reference for devices with stable power consumption.
4. How to tell if the product is charging?
When charging, the LCD screen will display the remaining charging time, the battery level indicator circle outside the percentage will start rotating cyclically, and it will show the input power.
5. How to clean the product?
Please wipe the product with a dry, soft, and clean cloth or tissue.
6. How to store the product?
When storing, first turn off the product, then store it in a dry, ventilated room-temperature environment. Do not place the product near water sources. For long-term storage, it is recommended to perform a complete charge-discharge cycle every 3 months to extend the product's service life.
7. Can the product be taken on an airplane?
No, it cannot be carried on airplanes.

Fault Display and Troubleshooting

Abnormal Icons	Fault Types	Recovery methods
 OVERLOAD Icon flashing	USB-A overload protection	Remove abnormal load, automatic recovery after normal load
 OVERLOAD Icon flashing	USB-C overload protection	Remove abnormal load, automatic recovery after normal load
 Icon flashing	Battery charging high temperature protection	Automatic recovery after battery cools down
 Icon flashing	Battery charging low temperature protection	Automatic recovery when battery temperature rises above 5℃
 Icon flashing	Battery discharging low temperature protection	Automatic recovery when battery temperature rises above -5℃
 OVERLOAD Icon flashing	AC output overload protection	Remove over-power devices and restart machine. Ensure powered devices operate within rated power (for power limits in different modes, refer to feature descriptions)
 Icon flashing	PV car charger overvoltage protection	Automatic recovery after normal load
 Icon flashing	Fan blockage	Check if fan is blocked by foreign objects and clear blockage



If the product displays warning alerts during use and the warning icons persist after restarting the machine, immediately stop using it (do not attempt charging or discharging). If the above information cannot resolve your issue, please contact our professional customer service for consultation.