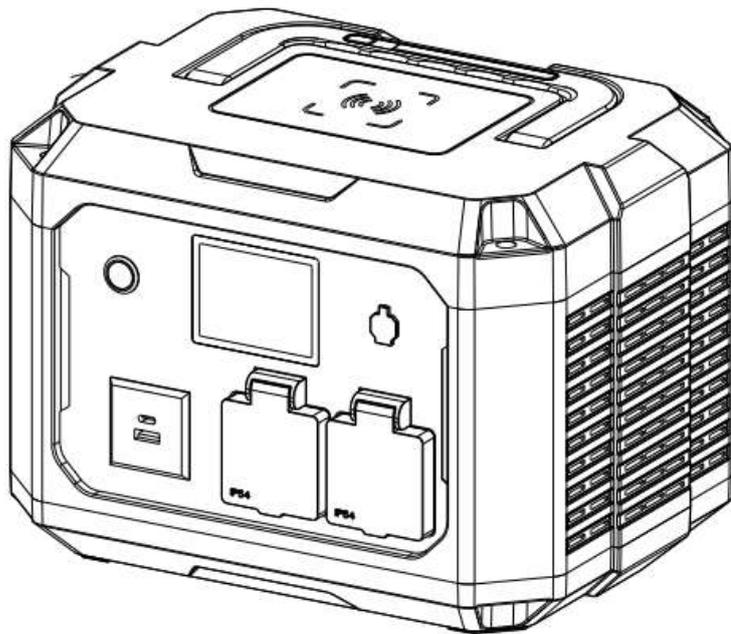


Portable Power Station

Model NO. : EE600-441Wh-2YE

Product Instruction Manual

Please read the instructions carefully before use and follow the instructions



CEA Electric Co. , Ltd

CONTENT

I. Product Use and Function Introduction.....	错误!未定义书签。
II. Product Introduction.....	2
1. Product Main Structure Composition.....	2
2. Panel Function Description.....	2-4
III. Technical Parameter.....	5
IV. Operation and Usage.....	6
1. Steps for the First Start of a Portable Power Station.....	6
2. Charging Steps.....	6-7
3. USB/Wireless/AC Output Onload Usage:	7
V. Product Maintenance.....	8
VI. Common Troubleshooting.....	8-10
VII. Warnings and Precautions.....	10-12
VIII. Product packing list.....	12

I. Product Use and Function Introduction

- **Product name:** Potable Power Station
- **Model/Specification:** EE600-441Wh-2YE
- **Application and function introduction:** Transform LiFeP04 DC to AC sine wave by inverter. When the product is out of power, it can be charged by a charger and PV. Without Mains, this product can output AC to charge devices with corresponding power, such as fans and lighting. Also, the product is designed with USB-A, USB-C output, and wireless charging for phone power. The 2.8-inch LCD screen shows battery power, input, and output.

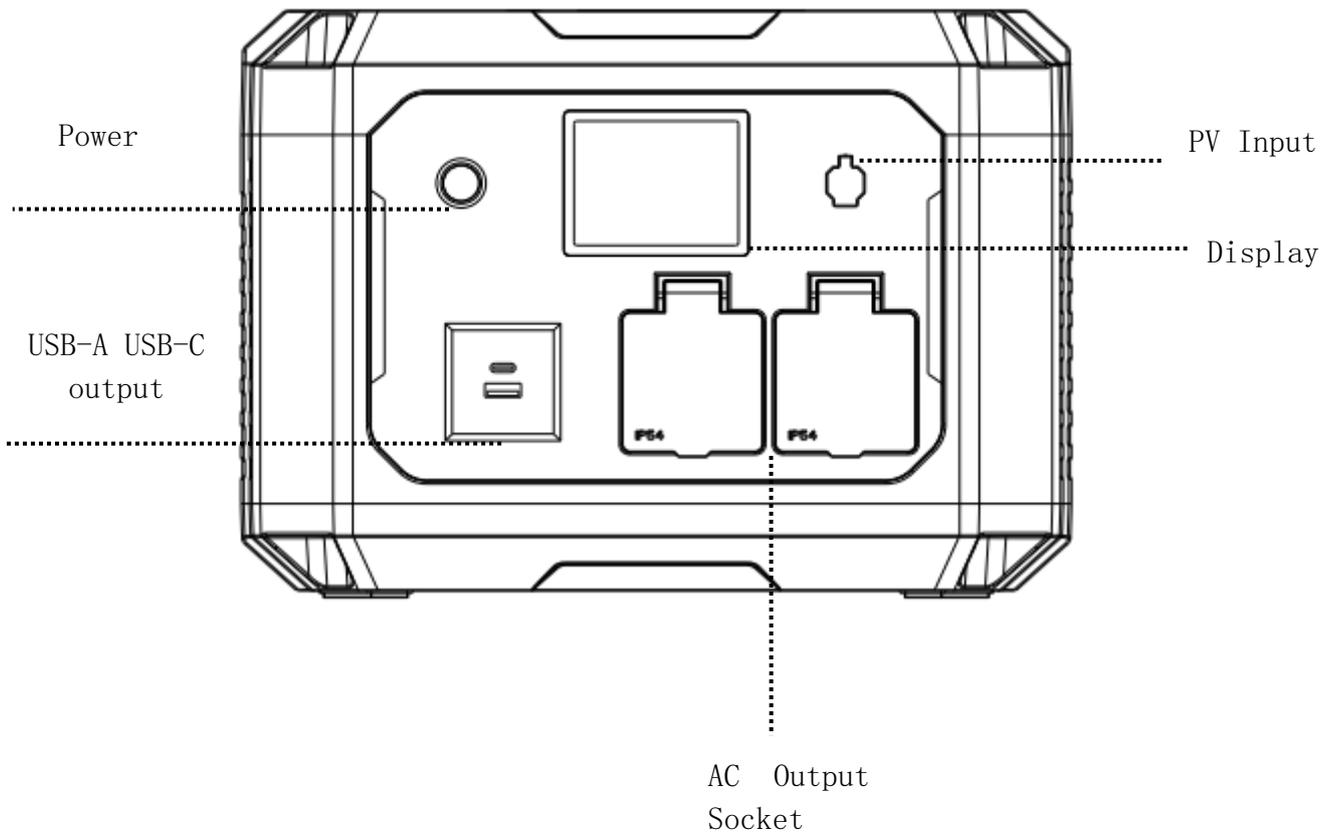
II. Product Introduction

1. Product Main Structure Composition

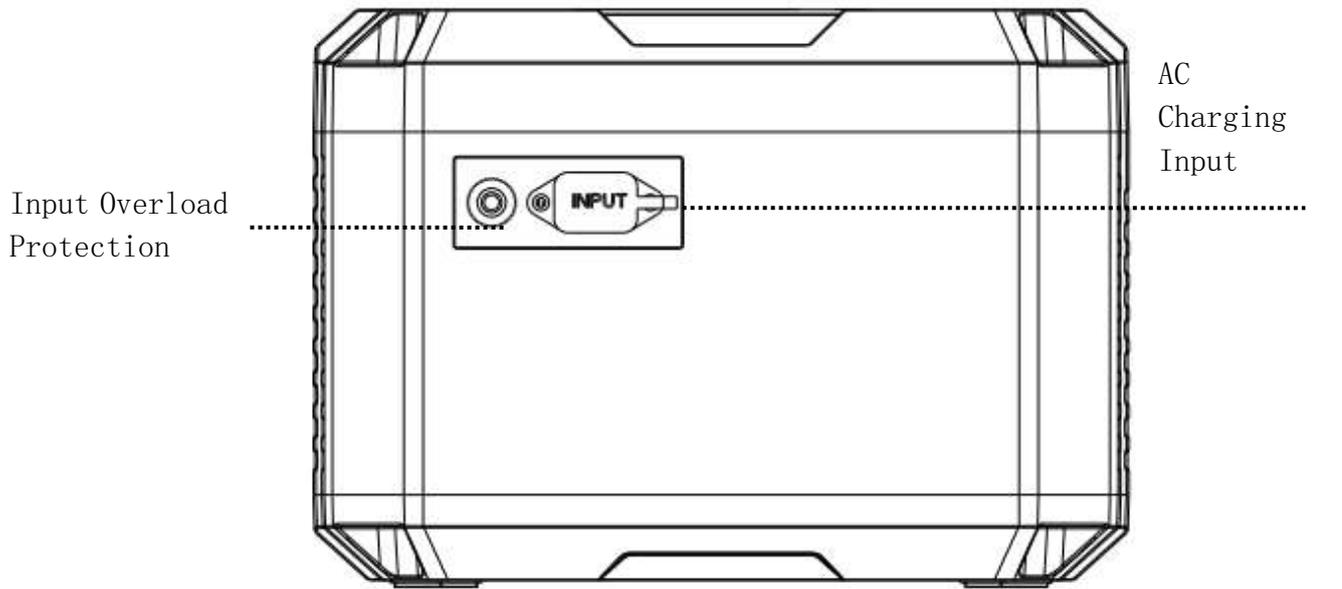
The portable power station mainly comprises a plastic shell, inverter, display, LiFePO4 battery pack, and MPPT.

2. Panel Function Description

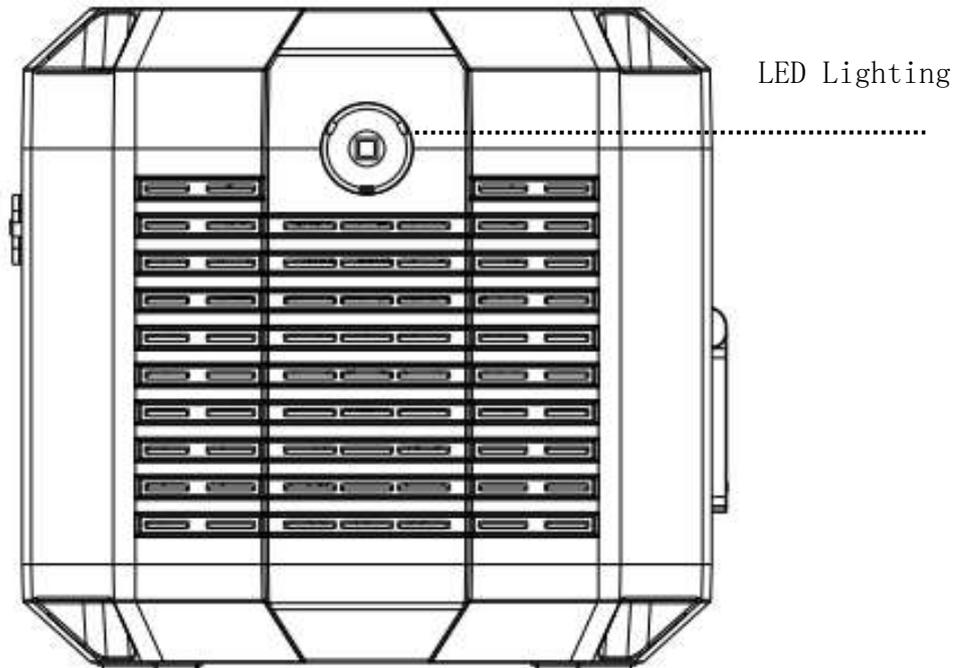
2.1 Front Panel



2.2 Rear Panel



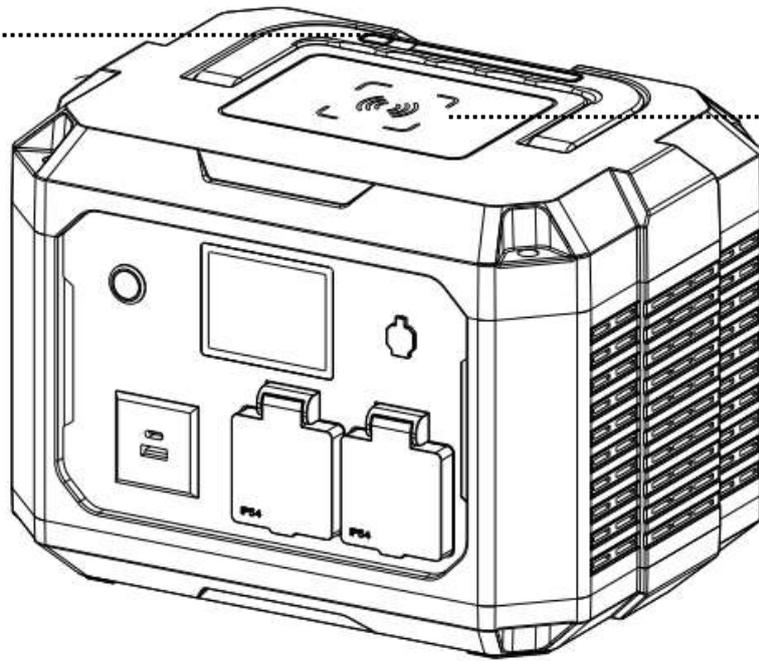
2.3 Left Side



2.4 Top

LED
Lighting
Switch

Wireless
Charging



III. Technical parameters

Item	Parameter	
Nominal Power	600W	
Peak Power	1200W	
Battery Parameters	LiFeP04 19.2V 23AH	
Product Size	298*220*213mm	
Product Weight	6.6 KG	
Ambient Temperature Range	-10-40°C Relative humidity: ≤80%	
	Altitude≤2000 Meter	
Transport and Storage Environment	Temperature: -15-55°C	
	Relative humidity: ≤93% (no condensation)	
	Atmospheric pressure: 70kPa~106kPa	
LED Lighting	2W	
USB-A	5V3A 9V2A 12V1.5A QC2.0 18W	
USB-C	5V3A 9V2.2A 12V1.67A PD20W	
USB-A +USB-C	Max 15W	
UPS	10ms	
Wireless Charging	15W	
Input	Hybrid Charging	PV and mains charging at the same time; preferred PV; 300W max total power
	PV Charging	12-50V 12A 240W With MPPT 5521 Port
	Mains	AC110-120V 60Hz 300W

	Charging	
AC Output		110V 60Hz 600W
Charging Time	PV Charging	About 2.5H (200W)
	Mains Charging	About 1.6H

IV. Operation and Usage

1. Steps for the First Start of a Portable Power Station:

1. Check whether there is any visible damage to the station's appearance and whether the output interfaces are loose or damaged (If abnormal conditions occur, stop using).
2. The product should be charged first and then used with the load.

2. Charging Steps:

2.1 Mains Charging: First, confirm whether the mains input specifications are matched with those machine required. Then, turn on the power, and confirm that there is no load on the AC output socket. Plug the charging cable into the AC port on the back of the machine and the other end of the cable into the mains power socket. Check the screen for charging power and level change. The rise indicates that the machine has been powered successfully.

2.2 Solar photovoltaic charging: Please check the photovoltaic input voltage range before charging. Turn on the power, and after confirming

that the positive and negative poles of the input interface correspond correctly to the positive and negative poles on the product socket, insert the input interface into the PV socket on the machine. Should the screen on charging power and level change, it has been powered successfully.

3. AC Output On-Load Usage:

Before use, please check that the power range and voltage range of the on-load electrical equipment match the output parameters of the station. Turn on the power, and insert the power plug of the loaded product into the output socket at the front of the station. The load should work normally.

4. UPS Function

First, the product should be fully charged. Then, turn on the power switch, connect the station to the mains with a charging cable, and keep charging. It is important to make sure that the load has a UPS function. When connecting the product with the load, the device is powered by the mains. When the mains cut, the power source will automatically switch to the power station with a switching time of 10ms. The charging cable and power station are not allowed to be off, otherwise, the UPS function will be invalid.

5. USB Output On-Load Usage:

Turn on the Power. Plug the USB into the USB-A or USB-C port. The load shall work normally this time.

6. Wireless Charging:

Turn on the power. Put the mobile phone with the wireless charging function into the wireless charging induction area on the top of the product. Then the phone may be charged normally.

7. LED Lighting Usage:

Turn on the power. Pressing the switch at the handle, the light will turn on. The first pressing leads to light; the second to flash; and the third to light off.

V、Product Maintenance

5.1 New products should be fully charged before use;

5.2 Regularly remove dust and dirt from the heat dissipation window;

5.3 In the case of long-term storage for more than three months, not less than 50% of the power storage shall be maintained;

5.4 If stored for more than 6 months, to extend the service life of the battery, please charge and discharge the product 1-2 times.

VI、Common Troubleshooting

6.1 Unable to Perform Charger Charging:

A、Confirm whether the mains parameter is matched with the machine; B、Power should be on;

C、Check whether the charger cord is broken or in an open circuit, and whether the charger is broken;

6.2 Unable to Perform Photovoltaic Charging

A、 Check whether the voltage range and current of the photovoltaic panel are within the parameter range of the power station.

B、 Make sure to use it in sufficient light.

C、 Before PV charging, the POWER switch should be turned on so that the power station can be charged under the startup status.

D、 Check whether the positive and negative poles of PV wires correspond to those on the machine socket and match with plugs and sockets. E、 Check whether the PV wires are broken or in an open circuit.

6.3 Unable to Perform AC Load:

A、 Confirm whether the power of the load appliance is within the normal load range of the power station.

6.4 After turning on the main power switch of the power station, the product cannot start normally, and the display screen doesn't work:

A、 The product battery may be out of power, the internal inverter cannot be started, and the battery enters a state of power loss sleep. You can first access the charger to charge the product and activate it. When the battery is fully charged, it can be used.

6.5 Why does the output shut off when the battery power is 10%?

A、 The system is set to turn off the output when the battery power is \leq 10%. This is to protect the battery cell from over-discharge. When this situation occurs, the battery should be charged immediately.

6.6 Wireless Charging Function Failure:

- A. Confirm whether the mobile phone supports wireless charging;
- B. The back of the phone should be flat. There should be no gap between the wireless charging induction area and the phone's back;
- C. When applying the wireless charging function, the power should be on.

VII、Warnings and Precautions

7.1 Different electrical appliances have different voltage standards. Before use, please carefully check whether the rated voltage range of the product is consistent with the voltage range of the portable power station, otherwise, it may lead to dangerous situations;

7.2 After the battery is discharged to the cut-off voltage, continuing to discharge is called over-discharge. It can easily cause serious power loss in the battery, thereby greatly shortening its service life.

Therefore, deep discharge should be avoided as much as possible when using the battery;

7.3 The product should be kept away from fire, high-temperature environments, and humid and rainy environments during use and storage, otherwise, it may lead to dangerous situations;

7.4 This product has a built-in high-voltage power supply, and non-professionals should not disassemble it by themselves;

7.5 Do not discard the product at the end of its service life. Recycle the product according to local laws and regulations;

- 7.6 Do not discard the product at the end of its service life. Recycle the product according to local laws and regulations;
- 7.7 It cannot be used at an altitude exceeding 2000m;
- 7.8 The product is AC output. Please do not insert your hands or hand-held metal conductors into the AC socket;
- 7.9 Do not drop, squeeze, or collide with the product, so as not to subject the product to external pressure, which may cause a short circuit of the internal circuit of the product and damage to the battery;
- 7.10 After use, please turn off the machine in time (the no-load power consumption will continue to consume battery power when the machine is on);
- 7.11 Please select solar panels according to the specified electrical parameters. If the voltage is above these parameters, it may damage the product;
- 7.12 Please charge the product with an equipped charger.
- 7.13 This product and its accessories may contain some small parts. Please keep the product and its accessories out of the reach of children. Children may accidentally damage the product and its accessories, or swallow small parts, causing suffocation or other dangers, children or people with mental retardation need to use this product accompanied by their guardians;

7.14 Do not use the product during thunderstorms. This may cause product failure or electric shock;

7.15 If the product accidentally falls into the water during use, place it in a safe, open area and do not turn it on again;

7.16 To avoid power loss, the product should be recharged immediately after use;

7.17 If any fault occurs during the use of the product, it should be stopped immediately.

7.18 The input on the back is the AC one. Please do not use DC with it; otherwise, the product cannot be charged.

VIII、Product packing list

8.1 portable power station*1

8.2 product manual*1

8.3 AC Charging Cable*1

Production Address: No. 6, Yingyang Road, Yingquan District, Fuyang City,

Anhui Province

Phone: 0558-7159979

Fax: 0558-7159988

Postcode: 236000

Date of manufacture: Please refer to the package.

Service life: 3 years

The date of compilation of the manual: 2025.3.17