

Attention! This manual is generally used in energy storage system products with an AC output range of 100-240V/50Hz-60Hz. The actual specifications of the product, especially the AC output, will be customized according to different countries, regions and users. Please read this manual carefully before using this product.

**Display / Light switch**

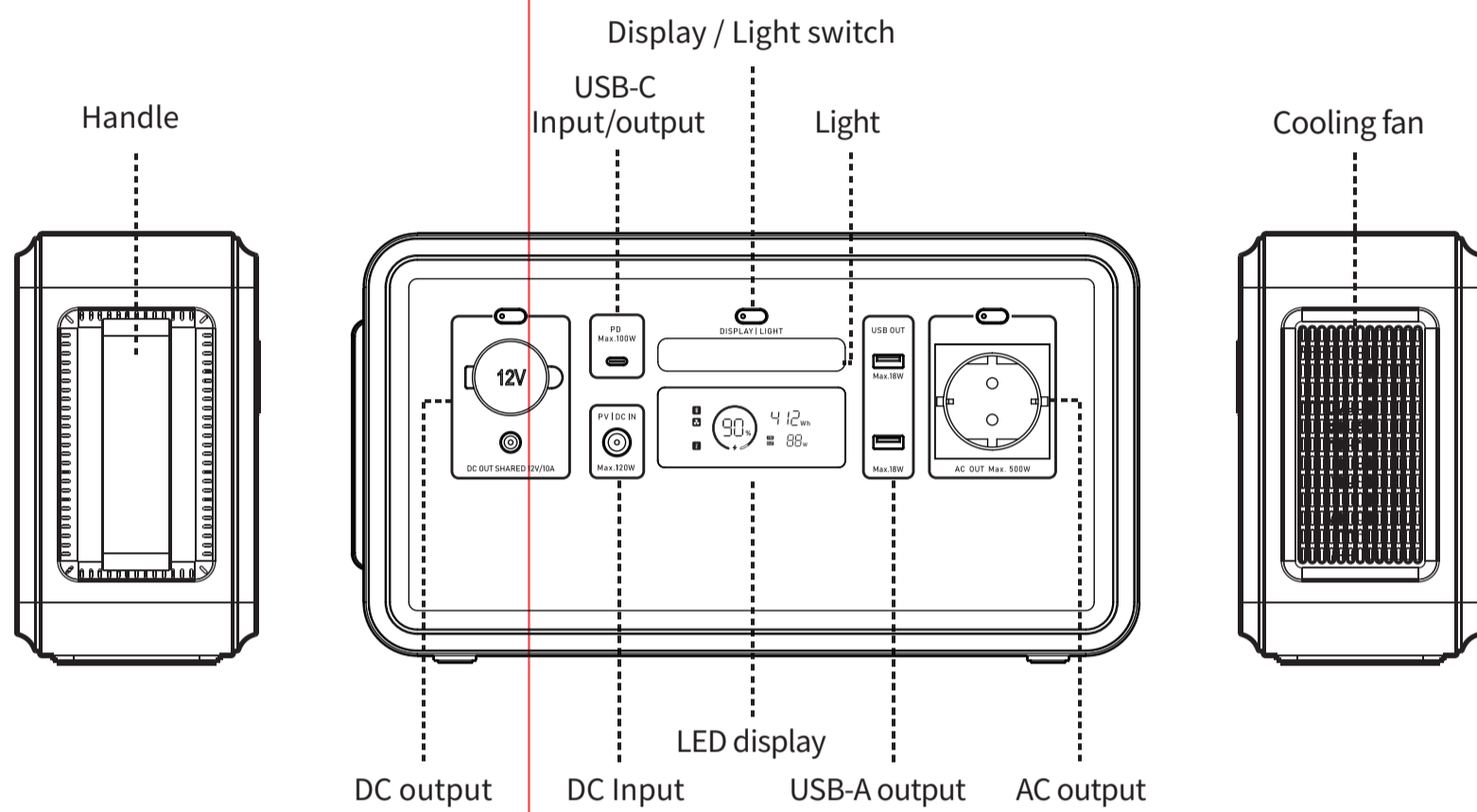
Short Press to control LED display on/off  
Long press 2s controls LED light on/off

**Input**

1. DC: 100W(20V)
2. USB-C: PD 100W
3. Solar: 120W(12-24V)
4. Car Charger: 100W(12-20V)

**Output**

1. USB-C: PD 100W
2. USB-A 1/2: 18W
3. Car Charger/DC Output shared 120W
4. AC: Stable at 500W  
Peak at 1000W



**Chargeable device**

USB Output: Smartphone, Smartwatch, Digital Camera, E-reader, Tablet, etc.  
12V Car charger Outlet: Light, Car Adaptor, etc.  
AC Output: Laptop, LED screen, Household appliances, etc.

**AC Output:**

- LED lights 12V/5W (75 h)
- Camera 16WH (24 times)
- Laptop 60WH (6 times)
- TV 110W (3 h)
- Drone 60WH (6 times)
- Fan 45W (7.5 h)
- Wall breaking machine 250W (1.3 h)
- Projector 100W (3.5 h)

**USB Output:**

- iPhone 13 3095mAh (30 times)
- Nintendo Switch 4310mAh (22 times)
- Ipad pro2021 28.65Wh (13 times)

**DC Output**

- Car charger Outlet Car refrigerator 65W (3.5 h)

**Charging Method**

Before using or storing the product, please charge it with the charger. When connected to the mains for charging, the indicator light of the charger is on, and the LED screen will display the current charging ratio. When the LED screen shows that the power is 100%, it means full. The current battery level can be checked through the LED screen.

**Packing list**

- Outdoor power supply
- AC power adapter
- User manual

**Important safety information**

- Warnings!**
- Please notice the following safety precautions carefully.
- Do not make a short-circuit. Please avoid storing the product together with metal objects, such as coins, jewelry, keys, etc.
  - Do not water or heat the product, such as putting in the fire or liquid, including direct sun light.
  - Do not place the product in a highly humid and dusty environment.
  - Do not disassemble the device in any way.
  - Do not drop, put heavy objects on or strongly impact the product.
  - Please place this product in a place where people with low physical, sensory and mental abilities, lack of experienced and relevant knowledge person can not reach, unless there is supervision or guidance by personnel responsible for their safety.
  - Please avoid children operating this product.
  - Do not cover the product with towels or clothing when using it.
  - Get hot when being charged is a normal phenomenon, please be careful.
  - Do not exceed the time request for this product to be charged.
  - Please disconnect with the product in time if the appliances are fully charged.
  - Please use the product normally and avoid electric shock.
  - Please deal with the scraps according to the regulations. Do not treat the built-in batteries as domestic garbage, so as not to cause explosion and pollution.
  - Only used for emergency power supply, can not replace standard DC power supply or AC power supply for household appliances or digital equipment.

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MUNCHEN, GERMANY

CE RoHS Made in china

**Use Instructions**

- How to use it:**
1. Press the switch next to each port you will use.
  2. When the indicator light next to the port is on, the output is turned on, and the responding device can be charged.
  3. AC Output is stable at 500W (peak at 1000W). If the product is used beyond the maximum power, the power supply will be automatically turned off to protect the product during overload use.
  4. Press ON/OFF button for turn off output.
  5. If the product is not used for a long time, it should be recharged every three months. It is better to keep the power at 60%-80% and store it in a cool and dry place.
- Attention! If the AC port is not in use, please turn it off to save power.**

**Specifications**

Capacity	Weight	Dimension	DC Input	Solar Input	USB-C IN/OUT	Car charger Output	DC Output	USB-A Output*2	AC Output
448Wh (5500mAh/12.8V)	4.5kg	347*107*188mm	DC 100W (20V)	DC 120W (12-24V)	PD100W	120W Max.	18W Max.	Stable at 500W Peak at 1000W	
Battery Cell	Cycle times	Storage Temperature	Operation Temperature	Charging Temperature	Protect system	Bluetooth	Warranty	Certificate	
LiFePO4 Battery	3000times	-10-40°C	-10-40°C	0-40°C	Overcharge protection, Over-discharge protection, Over-temperature protection, Short-circuit protection, Over-current protection	Bluetooth 5.0 with APP	12 months	CE RoHS	

**LED Screen Instructions**

- The LED screen of this product displays the product usage status. When the product is fully charged, the LED screen turns off and stops charging. When any function is activated, the screen will light up. When the screen display is not needed, you can press the button to turn off the LED screen.
1. The Bluetooth logo
  2. Fan identification
  3. Temperature alarm
  4. Charging status display (Blinking: charging medium/Steady on: full)
  5. Power display
  6. Output status display
  7. Input status display
  8. Output power/Input power
  9. Battery capacity
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**APP Instructions**

1. Scan the code, download the APP (Power One).
  2. Press the screen button.
  3. Turn on the permission of the mobile device: For Android, turn on the bluetooth and location permissions; For iOS system, turn on the bluetooth.
  4. Open the APP and choose the device. (as shown in picture 1)
  5. Select the device, user can turn on/off the USB port, car port and AC port. (as shown in picture 2)
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**Operating Temperature range:**  
Low temperature may affect the battery capacity of the product. The product can be charged in a temperature range of 0°C-40°C. Charge the product when the temperature is below 0°C. We recommend placing the product in an insulated cooler or other temperature conditions, also connect it to a power source (AC output socket, solar photovoltaic panel). The product can charge the device in the temperature range of -10°C-40°C.

**Frequently Q&A**

- What is the battery type?**  
LiFePO4 Battery.
- Can the product be taken on the aircraft?**  
No. According to the airline transportation standards, 100Wh capacity of lithium battery can not board the aircraft.
- How to estimate the working time of the product?**  
The LED display of this product can help you better understand the working status of the power supply. When the IN (input terminal) in the screen is on, it means the product is charging. When the OUT (output terminal) in the screen is on, it means the product is in the discharging state. You can recognize the remaining working time of the product by the battery percentage in the display.

**Chemical composition of toxic and harmful substances**

Part	Name	Pb	Hg	Cd	Cr(VI)	PBB	PBDE
Product shell		0	0	0	0	0	0
Control module		0	0	0	0	0	0
button		0	0	0	0	0	0
PCB		0	0	0	0	0	0
Hardware		0	0	0	0	0	0
Cable		0	0	0	0	0	0
Battery		0	0	0	0	0	0

0: The content of hazardous substances in homogeneous materials of components are limit requirement specified in GB/T 26572.  
X: The content of hazardous substance in at least one of the average materials of the part exceeds the limit requirement of GB/T 26572, and there is no mature alternative in the industry at present, which meets the environmental protection requirements of the EU RoHS directive.  
This information for reference purposes only and does not represent a binding agreement. Product (Color, Size, OSD, etc) in kind prevail.

**Fault diagnosis**

- If your device is not successfully charged with this product, please follow the steps below:
1. Ensure that the output port is open, LED indicator lights on the power button.
  2. Check the LED power display, if it is 20% or less, please charge the product.
  3. The power of the device you are using exceeds the maximum power of the port of the product.
  4. The device link cable you are using is not plugged in well or has poor contact.
- Solar photovoltaic panels:**  
Choose our solar photovoltaic products, just insert the DC port, you can easily charge the product with solar energy. This product uses MPPT (Maximum Power Tracking) technology, which can compare the output voltage point of the solar panel with the battery voltage of the product in real time, so as to find the maximum power output point that the solar panel can provide and charge the battery of the machine to obtain the best charging efficiency.
- AC adapter:**  
The product must be charged with the AC adapter specified by us. We will not be responsible for any consequences caused by charging with other adapters.
- Warranty and contact information**
- Under normal use of the product, it will not affect the result of defective workmanship and materials used in the product. This warranty period describes the complete and exclusive warranty obligations of the product, and we will not assign or authorize anyone to be responsible for any other products.
- warranty period**  
Product warranty period of 1 year. In all cases, the warranty period starts from the date of purchase by the consumer. In order to ensure the start date of the warranty period, the consumer needs to provide proof of purchase or other reasonable supporting documents.
- The following conditions are not covered by the warranty
1. The appearance of the product is damaged after use.
  2. Unauthorized disassembly and maintenance of non-professionals.
  3. Performance problems caused by human factors.
  4. Damage caused by natural disasters, lightning strikes, accidents and other irresistible factors.
- How to get warranty service**  
You can contact our customer service through our official website or e-commerce platform.  
Thank you for your cooperation!