

# Portable Power Station

## User Manual



## Precautions for use:

1. Open the package and check whether the following accessories are complete

1\*Portable Power Station; 1\*AC Charging Cable; 1\*User Manual; 1\*Qualified Certificate;

Please check carefully whether the portable power station device is damaged during transportation. If you find that the device is damaged or parts are missing, please do not start the device, and immediately notify the carrier and dealer.

2. The portable power station device should be placed in a well-ventilated place away from water, flammable gases and corrosive substances.

3. Do not place it on its side, keep the bottom and panel of the portable power station uncovered.

4. The panel temperature and the working environment temperature of the portable power station should be kept between 0~40°C.

5. If the portable power station device is disassembled and used at low temperature, water condensation may occur. It must be used until the inside and outside of the device are completely dry, otherwise there will be a danger of electric shock.

## Points for attention:

The portable power station device has high voltage AC output, which is potentially dangerous and must be handled with care and kept away from children, otherwise there will be a risk of electric shock.

Do not connect the inverter of the portable power station to the AC circuit, otherwise even if the switch of the device is turned off, the inverter of the device may be damaged.

Please ensure that the power used by the electrical appliance is less than the rated output power of the portable power station device.

Before the load is connected to the portable power station device, be sure to turn off the load switch before connecting it, and then turn on the load switch for use.

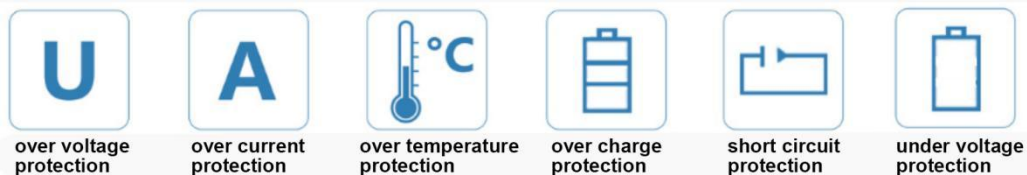
It is recommended to charge the portable power station device for at least 10 hours before use.

[Insert the AC adapter charger into the portable power station's charging port when charging.](#)

The portable power station device can also be used without charging, but the backup time will be less than the standard backup time.

It is prohibited to connect half wave (hair dryer, electric heating wire heater) load, high-power motor, laser printer, high-power rectifier load. The portable power station will be automatically protected because of the excessive starting power during operation.

## Description of protection functions and application scenarios:



#### Application scenarios



wild survival power supply



night construction power supply



outdoor camping power supply



home emergency power supply

## Use load type:

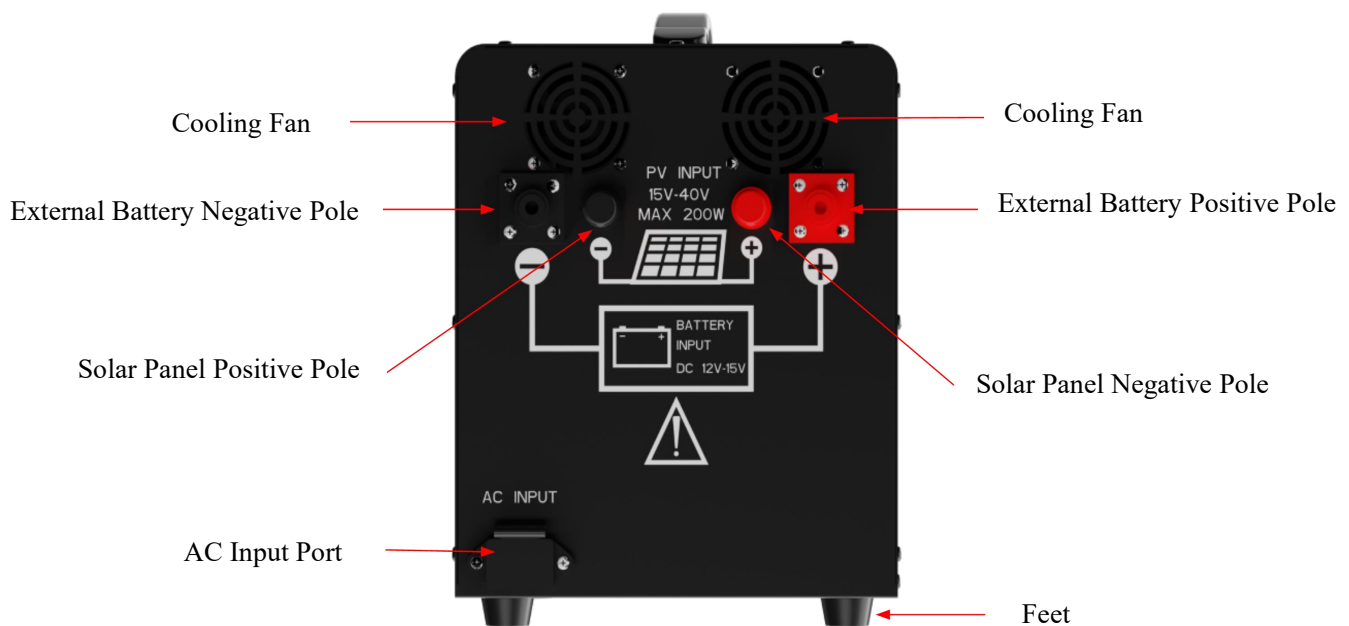
1. AC fans, DC fans, AC LED lights, DC LED lights, digital products, mobile phones, desktop computers, notebook computers, TVs, vacuum cleaners, etc.

## Function description:

### 1.Front:



## 2.Back:



## Operation method:

### Power on:

1. When there is no charging, touch the power switch on the panel, release it after the LCD display lights up, and then touch the corresponding function switch at this time, there will be a corresponding output. AC output will delay by about 10 seconds. If the corresponding function switch is not touched within 30 seconds, the portable power station will enter the automatic shutdown state.
2. If there is solar energy or city electricity is connected to charge, the LCD screen will automatically light up. At this time, touch the corresponding function switch, and there will be a corresponding output.

### Power off:

1. When there is no charging, press and hold the power switch on the panel for more than 3 seconds, release it after the LCD screen goes out, and then shut the portable power station down.
2. If the solar energy or city electricity is connected to charge, the LCD cannot be turned off, so turn off the corresponding function switches and turn off each output.
3. When there is no charging and no output switches are turned on, it will automatically shut down after 30 seconds.

Note:

1.The portable power station has DC under voltage and over voltage protection functions. When the battery is under voltage or over voltage, it will automatically shut down.

2.When the AC output is overloaded or short-circuited, the inverter will automatically shut down.

3.The positive and negative poles of the external battery cannot be reversed.

<b>B-500 Technical Parameter Table</b>	
Model	<b>B-500</b>
Rated Power	500W
Output Waveform	Pure Sine Wave
AC Output Voltage	220V/110V $\pm 10\%$
AC Output Frequency	50Hz/60Hz $\pm 0.5\text{Hz}$
Conversion Efficiency	Maximum Value $> 90\%$
Charging Interface	Built-in AC charger, built-in solar charger
AC Output Socket	Universal/European Standard/American Standard/National Standard optional
DC Output Voltage	4* USB Port; 6* DC12V DC5521 Port;
LED Light States	LED bright, half-bright, flashing, LED off 4 states
Battery Type	Lead-Acid Battery
Battery Capacity	12V 50AH
Solar Panel Specifications (optional)	15V-40V Maximum 200W (Optional)
Solar Charging Current	Maximum Value 15A
Built-in AC Charger Specifications	14.4V 5A
Charging Time	After full discharge, the battery capacity reaches 80% after 8 hours of charging
LCD Display	Battery Capacity, Battery Voltage, Output Voltage, Output Frequency, Functional Status
Heat Dissipation	Intelligent Temperature Control Cooling Fan
Noise	1 Meter Distance $< 45\text{ dB}$
Protection Functions	Low Voltage, Over Voltage, Over Load, Over Temperature, Short Circuit
Product Features	1. DC/AC fully isolated. 2. High frequency design, small size. 3. Pure copper transformer, high efficiency, low no-load loss. 4. Microprocessor, digital control, all-round protection. 5. Built-in solar charger, intelligent charge and discharge management. 6. Touch button switch
<b>Environmental Characteristics</b>	
Operating Ambient Temperature	$-10 \sim 40^{\circ}\text{C}$
Operating Environment Humidity	$10 \sim 85\%$
Storage Ambient Temperature	$-20 \sim 70^{\circ}\text{C}$ Without Condensation
Storage Environment Humidity	$5 \sim 90\%$
Structural Characteristics	<b>Sheet Metal Shell</b>
Weight(kg)	$\approx 18.5$
Product Size W*D*H(mm)	327*206*276