

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*Charger;1*User Manual;
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℃.
- 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:




over voltage protection




over current protection




over temperature protection



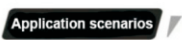
over charge protection




short circuit protection




under voltage protection




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, etc.

Function description:



Operation method:

Power on:

1. When there is no charging, press the power switch on the panel for more than 1 second, release it after the LCD display lights up, and then press the corresponding function switch at this time, there will be a corresponding output.
2. If solar energy and DC charger are connected, the LCD screen will light up automatically. At this time, click any key and there will be 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 and DC charger are connected, 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 10 seconds.

Note: 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

Eg012 Technical Parameter Table	
Model	Eg012
Rated Power	100W
Output Waveform	Modified Sine Wave
AC Output Voltage	220V/110V ±15%
AC Output Frequency	50Hz/60Hz ±2Hz
Conversion Efficiency	Maximum Value>90%
Charging Interface	External Charger Port and Solar Panel Charging Port DC5521*1 (Built in solar intelligent controller)
AC Output Socket	Universal Socket
DC Output Voltage	DC5V 2.4A, 2*USB; DC12V3A, 2*DC5521
LED Light States	LED bright, half-bright, flashing, LED off 4 states
Battery Type	LiFePO4
Battery Capacity	12.8V 76.8wH
Solar Panel Specifications (optional)	16V 20W (Optional)
Charging Current	Maximum Value 2A
AC Charger Specifications	Factory Standard Configuration
Charging Time	After full discharge, the battery capacity reaches 80% after 10 hours of charging
LCD	Battery Capacity, Battery Voltage, State of Charge, State of Discharge
Heat Dissipation	Automatic cooling
Noise	1 Meter Distance < 45 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. AC output and DC output have independent switch function.
Environmental Characteristics	
Operating Ambient Temperature	—10~40℃
Operating Environment Humidity	10~85%
Storage Ambient Temperature	—20~70℃ Without Condensation
Storage Environment Humidity	5~90%
Structural Characteristics	ABS Fireproof Enclosure
Net Weight(kg)	≈1kg
Product Size W*D*H(mm)	160*100*143