

Portable Power Station

User Manual



Tips:

Thank you for purchasing our product. Before using this product, please read this manual carefully to ensure proper use of this product.

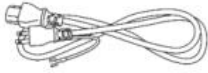


1 Packing list

This product contains:

Portable Power Station × 1



and the following accessories:

<input checked="" type="checkbox"/> AC Charging Cable X1	<input checked="" type="checkbox"/> User Manual X1	<input checked="" type="checkbox"/> Qualified Certificate X1
		

2 Safety notice

Please follow the instructions in this manual for proper handling and safe use. Improper handling may result in accident, injury or malfunction.

Note: After reading, please be sure to put it in a place where users can easily read it at any time, and keep it properly.

(1) When charging this product, please use a photovoltaic (PV) module not exceeding 30V to charge through the PV In interface, or use the AC input cable included with this product to charge through the AC In interface to an AC power source that meets local standards. Do not charge with other voltages, as this may cause the unit to overheat, catch fire or explode.

(2) Please charge this product within the ambient temperature range of 0 to 40 ° C. Charging at other temperatures will not only reduce the performance and life of the battery, but also cause the battery to leak, catch fire or even explode.

(3) Be careful not to let children use or infants touch this product, it may cause accident, personal injury or equipment failure!

(4) During the use of the product, if any abnormality occurs, such as unstable operation, smoke or peculiar smell, please stop using it immediately, continued use may cause the risk of fire or electric shock.

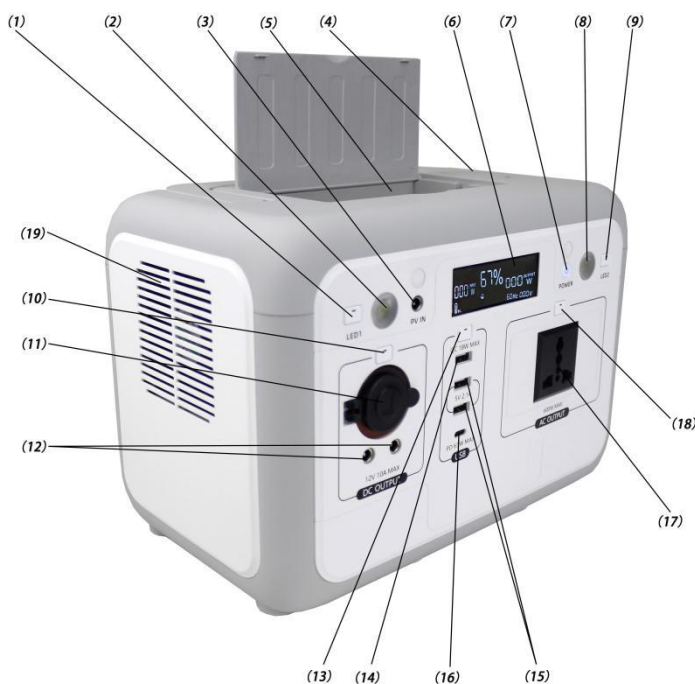
(5) Non-authorized after-sales service personnel, do not disassemble or modify the product, otherwise it may cause fire, electric shock or failure.

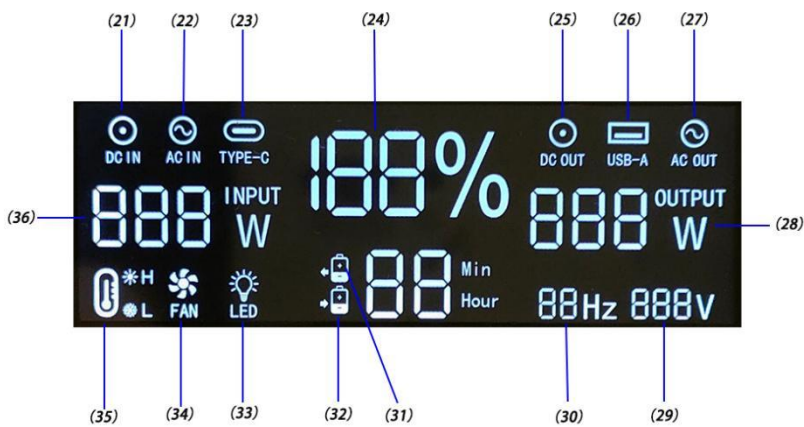
(6) Avoid using or storing in the following places. Failure to do so may result in overheating, fire, leakage or malfunction of the product.

- extremely humid places
- Outdoor exposure to rain or snow
- Where it is easy to fall, where it is heating
- Places susceptible to vibration, places susceptible to damage from salt, dust, and chemical gases
- Around combustibles such as sawdust, cloth, oil, etc.
- Under heavy objects and in confined places

(7) When not in use for a long time, it is recommended to keep the product at least 50% charged, and to charge the product at least once every three months to protect the life of the product.

3 Name and function of each part





- | | |
|-------------------------------|-------------------------------|
| (1) LED1 light switch | (2) LED1 light |
| (3) PV solar input port | (4) Handle |
| (5) Storage bin | (6) Display |
| (7) Power main switch | (8) LED2 light |
| (9) LED2 light switch | (10) DC output switch |
| (11) Cigarette lighter outlet | (12) DC12V output port |
| (13) USB output switch | (14) USB QC 18W output port |
| (15) USB 5V2.1A output port | (16) USB-C PD 65W output port |

- | | |
|-----------------------------------|-----------------------------------|
| (17) AC output port | (18) AC output switch |
| (19) Ventilation window | (20) AC fast charging port |
| (21) DC input indicator | (22) AC input indicator |
| (23) USB-C output indicator | (24) Battery capacity parameters |
| (25) DC12V output indicator | (26) USB-A output indicator |
| (27) AC output indicator | (28) Output power indicator |
| (29) AC output voltage parameters | (30) AC frequency indicator |
| (31) Battery discharge indicator | (32) Battery charge indicator |
| (33) Flashlight output indicator | (34) Fan working status indicator |
| (35) Temperature status indicator | (36) Input parameters |

4 Power on and off and switching frequency

4.1 How to turn on and off

Press and hold the POWER (7) button for 3 seconds, the display will turn on, indicating that the product has been successfully powered on.



After use, press and hold the POWER button for 3 seconds to turn off the product .

4.2 How to switch AC output power frequency

The default AC output frequency of this product is 50Hz when it is first turned on.

The product can switch the AC output frequency, and the frequency can be switched between 50Hz and 60Hz through the combination of buttons. The specific operation steps are as follows:

- A.Short press the AC output switch (18) button to activate the AC output function;
- B.Press and hold the AC output switch (18) button for 3 seconds, the frequency parameter in the display starts to flash;
- C.At this time, short press the AC output switch (18) button, press it once, switch to

another frequency value and start flashing, wait for the frequency value to be selected, when 50HZ or 60HZ flashes, stop the button operation.

D. When the frequency parameter displayed on the screen no longer flashes, it means that the corresponding frequency has been set, and the frequency switching operation is completed.

*Note: Please check and set appropriate output parameters before connecting AC electrical appliances, the current frequency value can be viewed in the parameter area of the display. The frequency display position is shown in the figure below:



5 Charge the product

5.1 Charging the product with household AC power (fast charge)

The charging steps are as follows:

(1) Insert the AC power cord plug into the charging socket of this product. This socket comes with a protective cover, please lift the protective cover before operation. As shown below:



(2) Insert the charging plug of the AC power cord into a household socket



(3) (22) The "AC IN" icon on the screen will light up, and after a few seconds, the input power will also be displayed, indicating normal charging. As shown below:



(4) When the battery level is 100% and the input power shows <math><10W</math>, it means that the charging has been completed. Please unplug the plugs at both ends and put away the AC power cord.

Note: When using AC fast charging, the AC/DC output switch must be turned off, otherwise the charging time will be affected, or the product will not be fully charged.

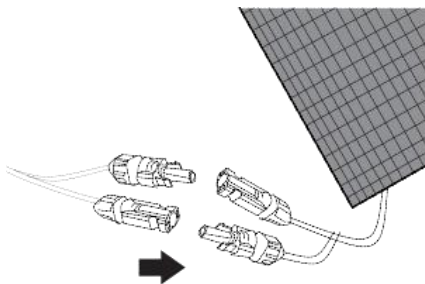
5.2 Charge the product with solar panel

The charging steps are as follows:

(1) The solar input port of this product is the DC5521 interface. Insert the DC plug of the photovoltaic charging cable into the photovoltaic charging port (PV In) (3) on the product, as shown in the figure below:



(2) The other end is connected to the solar panel, as shown in the figure below, and the solar panel is placed in a sunny place, try to make the solar panel perpendicular to the incident sunlight to obtain higher power generation



(3) The icons in the screen bar (21) and (32) are displayed, and the input power is

displayed, indicating normal charging



(4) When the battery power is 100% and the input power shows <10W, it means that the charging has been completed. Please unplug the PV charging cable and put away the solar panel.



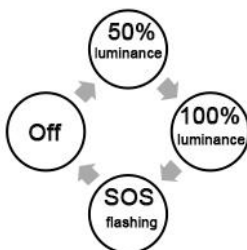
Note: The maximum input voltage of solar energy cannot be greater than 30V, and other AC chargers and AC fast chargers cannot be used to charge the product at the same time.

6 Use LED lighting

The product has two LED lights, which can be controlled independently. Press the corresponding LED light switch (1) (9) to switch the corresponding LED light.

This product LED light has three working modes: 50% luminance, 100% luminance and international SOS rescue light. Press the corresponding LED light switch button, the LED light will switch between three working modes cyclically.

The LED light will cycle between three modes on and off as shown below:



7 Specification parameter table of this product

Model		Eg007Li
Battery		
Rated Voltage		14.4Vdc
Voltage Range		12.8v~16.8Vdc
Battery Type		Lithium Ion Battery
Battery Capacity		540Wh
Output		
AC Output	Nominal Power	600W/600VA
	Maximum Power	1200W/1200VA
	Overload	105%<Load<120% 60S/120%<Load<150% 3S/Load ≥ 150% 500ms
	Output Voltage	220vac ± 5%/110vac ± 5%(To be customized)
	Output Current	2.73A/5.45A(To be customized)
	Nominal Frequency	50/60Hz
	Voltage Total Harmonic Distortion	≤5%
	Output Waveform	Pure Sine Wave
USB	Type A	5V2.1A × 2 + QC3.0-18W × 1
	Type C	USB PD 65W × 1
DC Output	12V	5521 Interface × 2
	Car Cigarette Lighter Output	12V10A × 1
LED Light		1W (Half-Bright/Full-Bright/SOS Flashing) × 2 (Independent Control)
Input		
AC Charging	AC Input Voltage Range	85Vac~270Vac
	AC Input Frequency	47~63Hz
	Maximum Current (Battery)	15A
PV Charging	Maximum PV Power	150W
	PV Voltage	18Vdc (can not exceed 30V)
	Charging Voltage	16.8Vdc
	Maximum Current (Battery)	5A
Operating Ambient		
Protection		Overload/Over Current/Over Temperature/Over Charge/Over Discharge, etc.
Operating Temperature		-10 ° C~40 ° C
Storage Temperature		-30 ° C ~70 ° C
Humidity		5%-95%
Cooling Method		Fan
Display Method		LCD(Input/Output Status、LED、SOC、Alert、AC Voltage、Frequency、Power、USB/PD/DC Output)
Button Control		ON/OFF/DC Output/LED Light/USB Output/AC Output
Weight [kg]		≈6.7kg
Product Size [mm]		W293 *D181*H206
IP Grade		IP21