

Thank you very much for purchasing our product. In order to help you to use it faster, here we have prepared a complete reference guide. It describes the operating modes, precautions and configurations. Please read the instructions carefully before using. This manual has been carefully edited. We take the best efforts to make it correct and trustworthy. But we apologize if any errors and omissions. We look forward to your comments and suggestions!

## Content

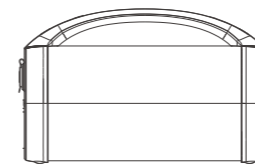
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## Precautions

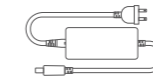
- \* When using this product, you should follow the basic precautions, please read all instructions.
- The product includes an AC/DC adaptor with input AC voltage from 100V to 240V. It's prohibited to connect voltages that do not meet the required specifications to the adaptor .
  - Please only use the attached adaptor to charge the product.
  - Please use the recommended solar panel (optional) for optimal performance.
  - Do not damage or drop the product as it may damage the battery and internal circuit.
  - Do not attempt to disassemble, or modify the internal and external structure of the product.
  - Do not connect the positive and negative terminals of the product with metal objects.
  - Do not exposure the product into water or rain. It may cause circuit failure and lead to abnormal chemical reactions, heat, smoke, explosion or fire.
  - Do not use or place the battery near a fire or any other heat sources (over 80 °C).
  - Do not store the battery in a high temperature environment (>45 °C) for a long time.
  - If the product is not used for a long time, please charge the battery to over 60% capacity, and recharge the battery within 6 months.

## Packing List

- 1 PCS Portable Power Station
- 1 PCS User Manual
- 1 PCS AC/DC Adaptor



Portable Power Station



AC/DC Adaptor

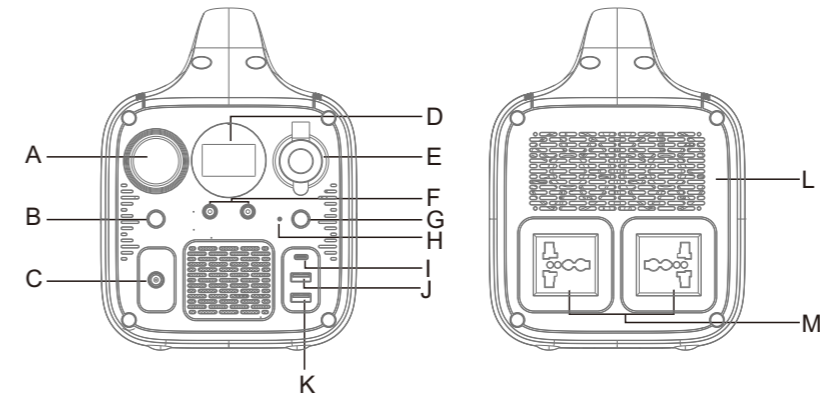


User Manual

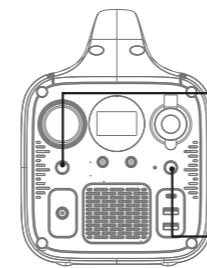
**Basic Parameters (PS1000)**

Item	Spec	
Model	XO-PSA-1000	
Shell Material	Aluminum Alloy + ABS + PC	
Internal Battery	864Wh (21.6V)	
Battery Type	Lithium battery	
Charging	Solar Charger	27V-42V 5A Max
	Adaptor	29V/4A
AC Output	Power	1000W
	Wave Form	Pure Sine Wave
	Voltage	100V/110V or 220V/230V
DC Output	Frequency	60Hz or 50Hz
	2x USB-A	5V/3A, 9V/2A (18W Max)
	1x USB-C PD	5V/3A, 9V/12V/15V 3A, 20V/2.25A (45W Max)
	1x DC12V	12V/8A
	1x DC5521	12V/3A
Floodlight	1W(High/Low)	
Net Weight	About 8.6 kg	
Product Dimensions	L346xW169xH226mm	
Operation Temp	0 ~ 45°C	
Operation Humidity	0 ~ 90%	
Storage Temp	-20°C ~ 40°C	
Certifications	CE, PSE, RoHS, FCC	

**Part Description**



A	LED Torch	H	DC Output Indicator
B	LED Torch Switch	I	Type-C Output Port
C	DC Charging Input Port	J	USB-A Output Port
D	LCD Display	K	USB-A Output Port
E	DC12V Car Port	L	Air Outlet
F	DC 5521 Output	M	AC Output Outlets
G	DC/AC Output Switch		



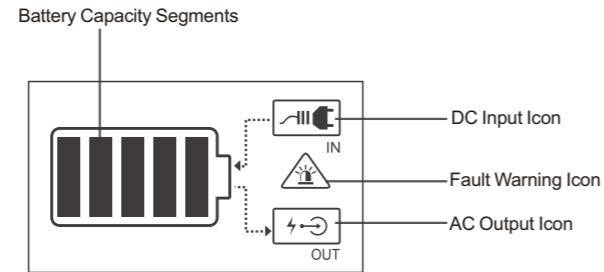
**Torch Switch Button:**

Press 0.5 seconds to turn on the LED torch;  
Press 0.5 seconds again for stronger brightness;  
Press 0.5 seconds again for turn off.

**AC&DC Output Button:**

① Press 0.5 seconds, the DC output indicator will light up and DC output is standby;  
Press 0.5 seconds again, the DC indicator will light off and DC output is turn off.  
② Press 3 seconds, the OUT icon in LCD display will light up and AC output is standby;  
Press 3 seconds again, the DC indicator will light off and AC output is turn off.

### LCD Display



As long as the product is charging, working or standby, the LCD display will light up.

1. When AC output is standby or working
2. When the product is charged by included adaptor or solar panel
3. When the product is charged and discharged at the same time

4. When the LCD display flashes, the fault or warning may be explained as below chart.

Item	Phenomenon in LCD Display	Fault Cause	Recovery
DC Output	DC output indicator flashes twice	DC 12V output over current	Restart
	DC output indicator flashes three times	USB over current	Restart
AC Output	OUT icon in LCD display flashes twice	AC overload	Restart
	OUT icon in LCD display flashes 5 times	AC over-temperature	Automatic
	OUT icon in LCD display flashes 6 times	Low AC output voltage	Restart
	OUT icon in LCD display flashes 8 times	AC short circuit	Restart
DC Charge	IN icon in LCD display flashes twice	Input over-voltage	Automatic
	IN icon in LCD display goes out	Low input voltage or no voltage	Automatic
Battery	Warning icon in LCD display flashes twice	Charge over-temperature	Automatic
	Warning icon in LCD display flashes twice	Discharge over-temperature	Automatic
	Warning icon in LCD display flashes 4 times	Charge low temperature	Automatic
	Warning icon in LCD display flashes 5 times	Discharge low temperature	Automatic
	Warning icon in LCD display flashes 7 times	Battery Pack undervoltage indication	Automatic
	Warning icon in LCD display flashes 9 times (AC off)	Over load of total power	Restart

### Features

- Smooth and compact appearance design with cambered handle
- Durable and lightweight aluminum alloy shell
- Internal high energy density long cycle life lithium ion battery
- LCD indicates battery capacity, charging status and inverter output
- Independent switches of main on/off and bright torch
- AC 1000W output powers various digital and electrical devices, like hand drill, wash machine, cooker, fan, TV, lamp, etc
- DC 12V car port supports car on-board devices, like car fridge, vacuum, inflator, etc
- Dual DC5521 12V/3A port supports 12V devices, like LED lamp, DC fan, DC TV, etc
- Dual USB ports charge most USB-enabled devices, like smart phone, Bluetooth, wearable watch, etc
- USB Type-C port supports most USB-C devices, like laptop, tablets, smart phone, etc
- 1 watts LED torch with 600+ hours long lighting, high/soft lighting switchable
- Unique charging function, support wide range of voltage charging
- Maximum three ways to recharge by solar panel, car cigarette included AC/DC adaptor
- Integrated circuit design improves product safety, quality, efficiency and performance

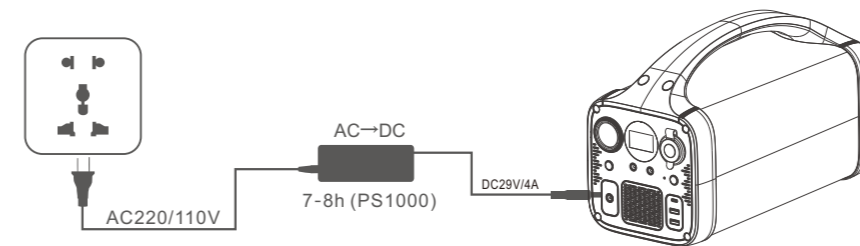
### Operation Conditions

1. Operation environment: indoor & outdoor (non-waterproof)
2. Operating temperature: 0~45°C
3. Storage environment: -20~45°C

### Charging

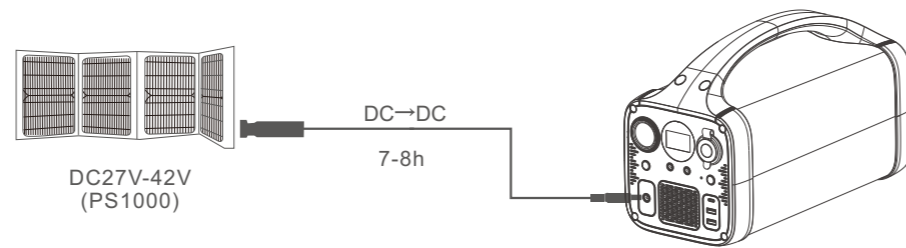
Two charging methods

1. AC220V/110V via included adaptor



Multi-functional Portable Power Station

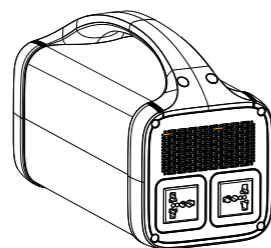
B Solar panel charging



Output

Five types of AC and DC outputs

1. DC 12V cigarette lighter output port for car devices or used 12V as battery equipment;
2. AC 220V (110V) AC output outlets for desktop computers, electric fans, electric tools and other home appliances;
3. USB-A port for smart phones, MP3 players, digital cameras, e-readers, tablet, etc;
4. Type-C output port supports fast charging mobile phones, laptops and other devices;
5. DC 5521 output port for routers or use 12V as battery equipment;



- AC output
- 12 V cigarette lighter
- USB output
- 45W Type-C output
- DC:12V3A

Multi-functional Portable Power Station

Ps1000 (1000W) AC Output

Mini Fridge(200W) 3-12 Hours	Electric Drill(500W) 1-1.5 Hours	TV(60W) 10-12 Hours
Electric Grill(800W) 0.8-1 Hours	Rice Cooker(700W) 0.8-1.5 Hours	Fan(18W) 30-40 Hours
CPAP Machine(40W) 15-20 Hours	Desktop PC(200W) 2.5-3 Hours	Table lamp(40W) 15-20 Hours

Ps1000 (1000W)DC Output

Drone(60Wh) 8-12 Times	Laptop(50Wh) 10-15 Times	Camera(30W) 20-25 times
GoPro(14.5Wh) 40-50 Times	iPad(15Wh) 40-50 Times	Phone(12Wh) 50-60 Times

FAQ (Frequently Asked Questions)

1. What device can be powered by the product?  
Please check specification label of your device and make sure the power rating, voltage range meets the output of the product. For example, the AC output outlet can power most of device with power rating lower than 500W(800W), and the USB-A ports powers most of USB-enabled devices.
2. How long can the battery be stored after one charge?  
If the product is not used for a long time, please charge the battery to over 60% capacity, and recharge the battery within 6 months.
3. Can the product be charged and discharged/output at the same time?  
Yes, the product can be charged by solar panel or AC/DC adaptor and power your device simultaneously.
4. Is the internal battery replaceable?  
It's not replaceable for an end user unless you have professional knowledge of lithium ion battery and power supply products. Once you open the product shell, the warranty will be invalid.