

YABO SG120

Portable Power Station



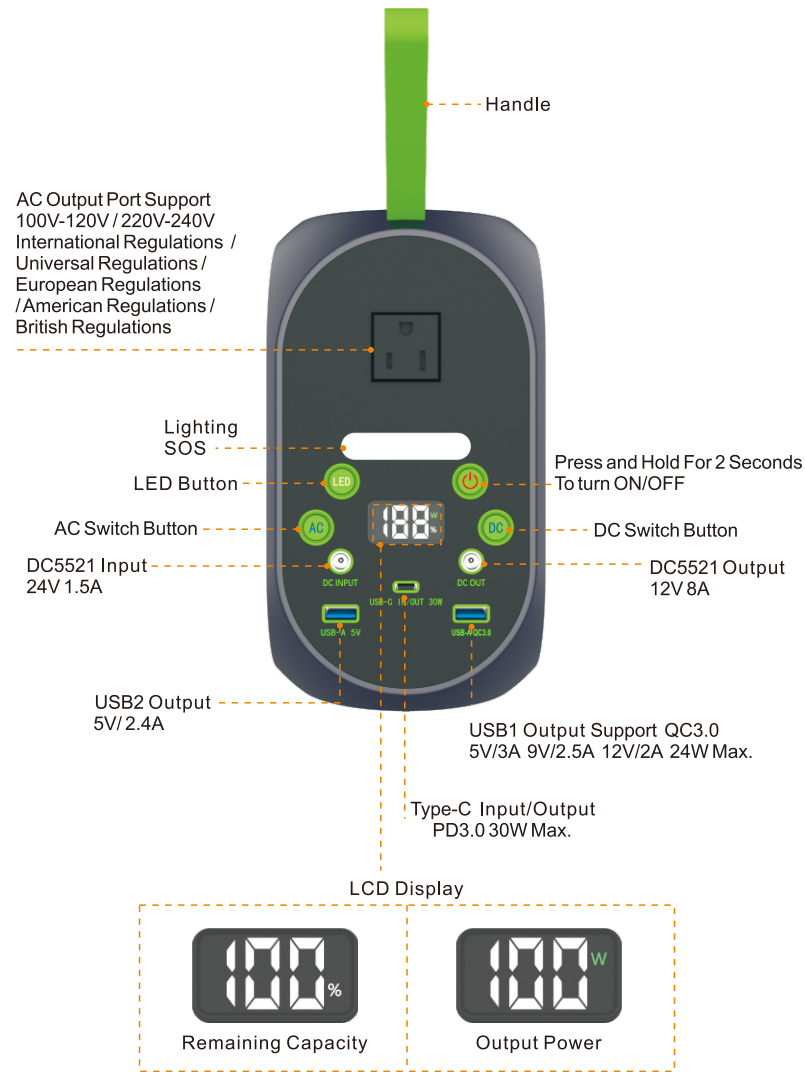
Technical Parameter

 Battery Capacity 12.8V/7.8Ah 99.84Wh	 Weight 1.51Kg	 Size 200*118*110 mm	 DC Input Port 24V-2.5A (Support 12-24V)	 DC Output Port 12V 8A	 AC Output Port 120W Continuous/ 240W Peak	 USB Output Port 5V 2.4A QC-24W USB-C 30W
 Model SG120	 Battery LiFePO4	 Battery Cycle ≥2000	 Warranty 1 Year	 Certificate CE,UL2743 UN38.3 MSDS	 Use/charging Temperature Use Temperature:-10~40℃ Charging Temperature 0~40℃	

Multiple Security Measures



Function Panel



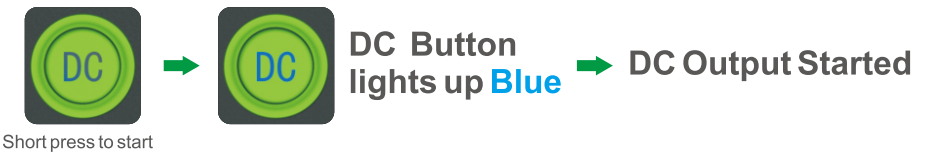
Usage Steps

Button description (1 POWER button, 1 DC button, 1 AC button, 1 LED light button)

1. Power-on steps:



2.1 Steps to start DC output:



2.2 Steps to start AC output:

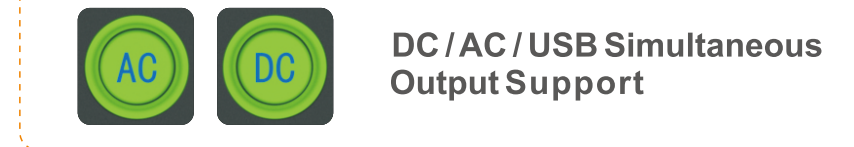


Long press the Power button for 2 seconds to turn on/off the device. After the screen starts, enter the system.
Short press the DC/AC power button to turn on/off the corresponding output. If the AC/DC power button is not turned on, the screen will automatically shut down after 5 minutes and system will automatically shut down after 10 minutes.
AC shutdown without load for 1 hour, DC shutdown without load for 6 hours.

Steps to turn on the LED lights:



Short press the LED button to turn on the LED lighting. Short press to switch modes
(lighting level 1 → lighting level 2 → sos help-flash level → turn off the LED ,and this cycle).
When the LED is turned on, the light will not turn off automatically and needs to be turned off manually.

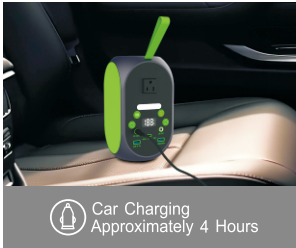


When the battery capacity reaches 0%, the output is turned off .
If USB, DC and other interfaces are unloaded, they will automatically shut down after 10 minutes.
Automatic shutdown of AC port after 1 hour of no load (assuming all other functions are turned off).

Dimensions



Charging Method



Please use the charger to charge the product before using or storing it. During charging, the LED screen will display the current charging percentage and charging power. When the LED screen displays 100% battery, it means it is fully charged. This charging process takes about 4.5 hours. You can check the current battery level through the LED screen.

(The charging time is determined by the intensity of sunlight) Supports solar photovoltaic panel MPPT function charging (12-24V) The above data comes from the laboratory. The test data may vary in charging time due to factors such as the use environment and usage methods. This test data is for reference only.

Frequently Asked Question

- ◆ **Why can't the device be used even though its power is within the product's rated output range?**
- a. The product power is less than 20%; the power needs to be replenished.
 - b. Some appliances require a start-up power higher than their rated power.

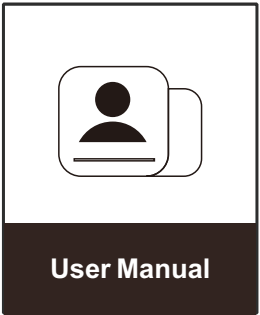
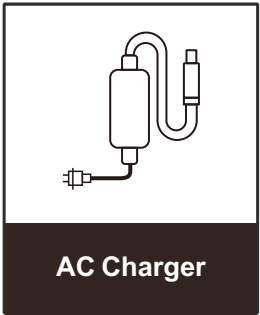
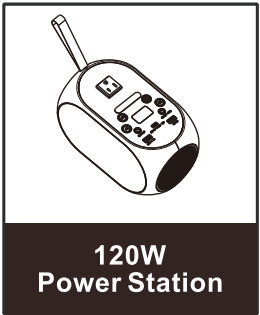
- ◆ **Why does the product make noise during use?**
- The product features a cooling system, and the built-in fan helps dissipate heat effectively. Slight noise during use is normal.

- ◆ **Is it normal for the charger to heat up during charging?**
- It is normal for the charger to heat up during charging. The standard charger complies with national safety standards, so you can use it with confidence.

Precautions For Use

1. High temperature protection. When the temperature exceeds 60°C during charging, the device automatically activates the protection mechanism, shutting off and stopping output. When the temperature is lower than 55°C, it returns to normal and needs to be activated by pressing the button. When the temperature is higher than 50°C during charging, charging stops. When the temperature is lower than 45°C, charging will be automatically resumed and the current battery level will be indicated.
2. POWER on/off button. Please press the POWER button to turn off the power when stopping use.
3. The DC, USB, and AC indicators light up, indicating that the output port is turned on and can power the corresponding device.
4. When the power output port is not in use, please press the corresponding on button to turn off the power to save power.
5. Low temperature may affect the battery capacity of the product. The product can be charged in the temperature range of 0~40°C and power the device in the temperature range of -10~40°C.
6. When using it for the first time, it is recommended to fully charge it to avoid any inconvenience caused by insufficient battery.
7. This product is not suitable for devices requiring more than 120W and cannot power devices exceeding 200W.

Packing List



Fault Phenomenon	Troubleshooting	Solutions
The Product Cannot Be Charged	1. The charger, product and mains power are not in good contact(The charging icon will not be displayed on the screen at this time)	Check if the charger, product, and mains power have good contact.
	2. Good contact, but cannot charge	The charger is broken, please contact after-sales service
	3. Cannot charge even though the charging icon is displayed on the screen	The product is broken, please contact after-sales service
Product No output	1. The connecting cable between the equipment and the product is not plugged in properly.	Make device and product well connected
	2. The output port switch is not turned on	Turn on the port output switch. At this time, the corresponding function will be displayed on the screen.
	3. The product has low battery power	Charge the product
	4. After exclusion according to point 1.2.3 above, there is still no output	The product is broken, please contact after-sales service
With Device Output Interrupt	1. The nominal power or instantaneous starting power of the equipment used is greater than the product power	Choose energy storage products with higher power
	2. If the equipment is short-circuited, an alarm symbol will appear on the display and an alarm sound will sound. The output will be turned off within 15 seconds	Non-product problem, it is recommended to replace the equipment
	3. Press. After the above 1.2 points are eliminated, the output is still closed	The product is broken, please contact after-sales service

Warning And Precautions

- Please read all instructions before using this product.
- To reduce risk, close supervision is required when using this product near children.
- The use of accessories recommended or sold by non professional product manufacturers may pose a risk of electric shock.
- When the product is not in use, please unplug the power plug from the product socket.
- It is prohibited to disassemble the product. Disassembly of the product may lead to unpredictable risks such as fire, explosion or electric shock.
- It is prohibited to use the product with damaged wires or plugs, or damaged output cables, as there is a risk of electric shock.
- Please charge the product in a well-ventilated area, and do not restrict the ventilation of the product in any way.
- Please place the product in a ventilated and dry place to avoid getting wet by rain. If water enters the product, there is a risk of electric shock.
- Do not expose the product to fire or temperatures above 30°C, as this may cause safety accidents such as fire or explosion.
- It is prohibited to use or place the product under high temperature (under direct sunlight or in a very hot car). Otherwise, it may cause the internal battery to overheat, catch fire or function failure, shorten its life, and other risks.
- Charge the product every three months to ensure sufficient battery capacity during use.