



Portable Power Station SG300

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Technical Parameter						
Battery Capacity	Weight	Size	DC Input Port	Car Charger Output Port	AC Output Port	USB Output Port
249.6WH/ 7800mAh	3.227Kg	232*152*201 mm	24V-2.5A (Support 12-24V)	12V10A	300W Continuous/ 600W Peak	5V2.4A QC-18W USB-C 60W
Model	Battery	Battery Cycle	Warranty	Certificate	Use/charging Temperature	
SG300	LiFePO4	≥2000	1 Year	CE,UL2743 UN38.3 MSDS	Use Temperature:-10~40°C Charging Temperature 0~40°C	

Multiple Security Measures						
Over Charge Protection	Over Discharge Protection	Over Current Protection	Over Voltage Protection	Over Load Protection	Temperature Protection	Short Circuit Protection

Dimensions	
INPUT DC12V-24V MPPT SOLAR INPUT	LED Button Lighting SOS

Function Panel	

Usage Steps	
Button description (1 POWER button shared with DC button, 1 AC button, 1 LED light button)	
1. Power-on steps: 	Already Powered On
2.1 Steps to start DC output: 	DC Output Started
2.2 Steps to start AC output: 	AC Output Started
● 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.	
DC / AC / USB Simultaneous Output Support	
● Long press the LED button to turn on/long press to turn off the LED lighting. Short press to switch modes (lighting level 1-lighting level 2-sos help-flash level, and this cycle). When the LED is turned on, the light will not turn off automatically and needs to be turned off manually.	
Steps to turn on the LED light:	
	Lighting Level 1 Lighting Level 2 SOS For Help Flash File
To change modes, just press the LED button again	

● When the main power is turned on but the AC button is not, long press the AC button and DC button for 2 seconds simultaneously to switch input frequency to 50/60HZ. And then press the AC button to confirm saving, thus cycling.(Generally not changed, default manufacturer settings)
Operation steps for switching frequency (50Hz/60H):
Press the AC+DC buttons simultaneously and hold for 2 seconds to switch.
● After AC short circuit or overload protection, the AC symbol flashes and the buzzer sounds (once per second) and stops after 1 minute. AC supports charging and discharging at the same time. During the interval between buzzer beeps, short press the AC button and charge to cancel the beep warning symbol.
Steps to remove the tweet warning:
Short press to release
● Press and hold the AC button for 2 seconds to turn on silent/chirp mode.
● When the battery capacity reaches 0%, the output is turned off and the buzzer sounds.
● 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).

Charging Method	
Standard Charger About 4.5 Hours	60W Solar Photovoltaic Panel About 6 Hours
Car Charging About 4.5 Hours	
(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.	
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.	

Frequently Asked Question	
◆ Can the product be taken on a plane?	Cannot. Because this product is a lithium battery product, according to China's air transport standards and regulations, the total battery energy cannot exceed 100wh.
◆ The equipment power is within the rated output power range of the product but cannot be used?	a. The product power is less than 20%; the power needs to be replenished. b. Some appliances have a peak starting power greater than the rated peak of this product.
◆ Why is there sound when using it?	The product adopts an air-cooling system, and the built-in fan can better help the product dissipate heat. 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.

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

Precautions For Use	
1. High temperature protection. When the temperature is higher than 60°C during discharging, the machine automatically activates the protection mechanism and turns off the 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. The AC output port only supports devices within 300W, and does not provide power to devices greater than 600W.	

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.	
● Please charge the product every three months to prevent insufficient battery during use.	

Packing List	
300W Portable Power Station	Car Charging Cable
AC Power Adapter	User Guide
Contact us	
For any inquiries or comments concerning our product or any quality-related issue with our product, or you want to customize any other battery packs , please feel free to contact us, we will respond to you as soon as possible and do our best to help you.	
Website: www.yabopower.com	
Operation video	