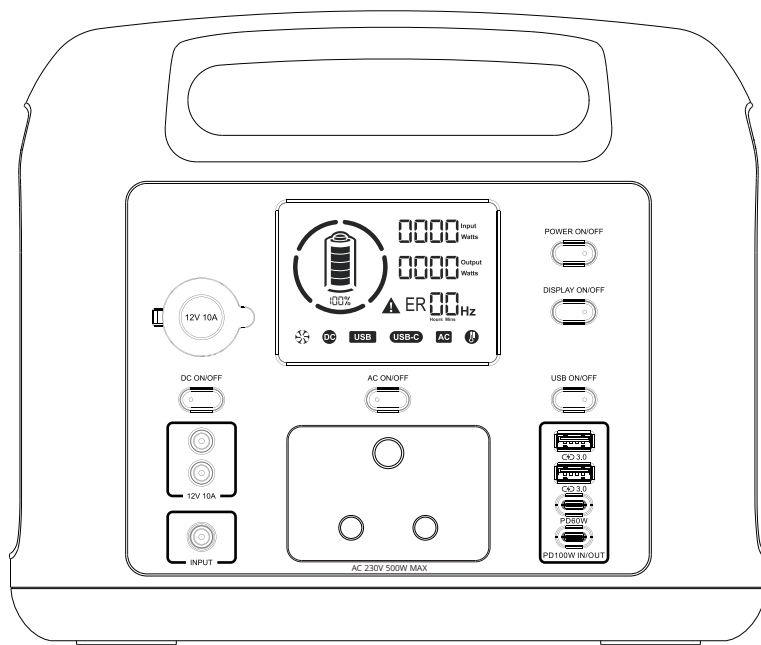




500W Portable Power Station

SO/PPS500W Instruction Manual





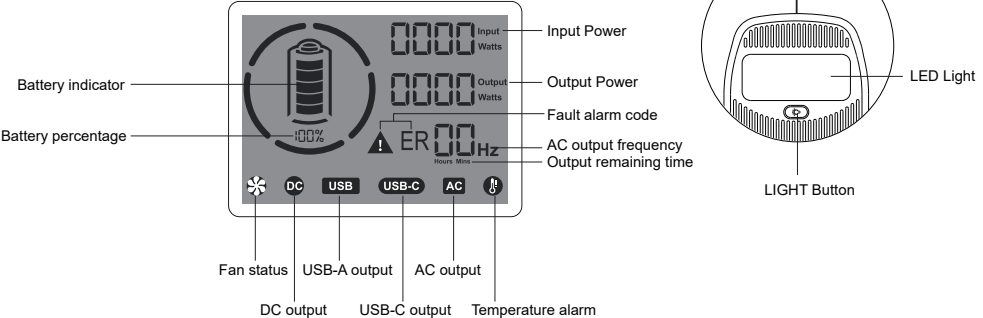
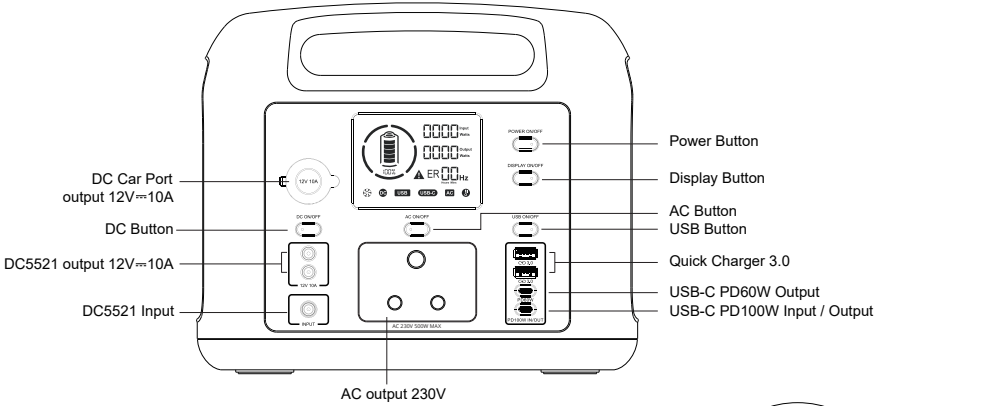
Instruction Manual

SO/PPS500W Portable Power Station (500W)

Don't worry about the lack of outdoor power, use the Portable Power Station, you can easily maintain a state of charge on the go. There is no need to worry about sudden power failure or the dark night outdoors, portable power station offers you great power supply and confidence in the wild!

Attention:

1. Specifications and images in this manual are for reference only.
2. This product is for emergency use only.
3. Fully charge the product before using it for the first time (minimum 10 hours). Once the battery bar no longer flashes, the device is fully charged.





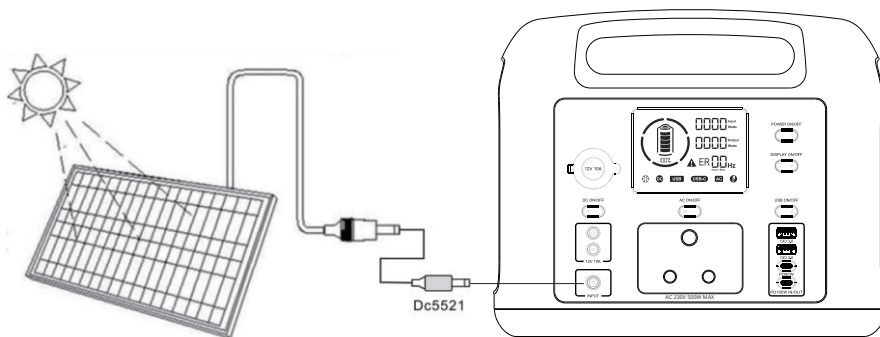
Charging Your Product

ATTENTION: If the ambient temperature is too high or the battery temperature is higher than 60°C due to continuous high-power discharge, the product cannot be charged. When the battery temperature is less than 55°C, the charging function will automatically resume. If it is not used for a long time, it is best to fully charge it every three months before storing; it is best to fully charge the battery.

1. LCD Battery Display

There are 5 segments to the battery, approximating 20%-40%-60%-80%-100% capacity. As you use your product, segments will disappear from the display, indicating the remaining charge. When charging your product you will notice a battery segment blinking at a 1 second interval status. Once your product is fully charged, all battery segments will be lit and remain solid.

2. Charge Through Flash Portable Solar Panel

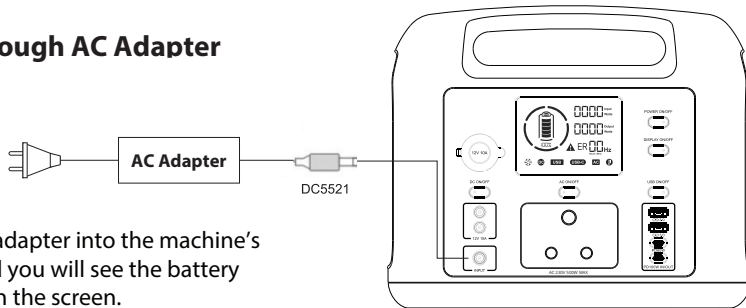


- Place your Flash Portable Solar Panel where it will get as much strong direct sunlight as possible.
- Connect the output port of the Flash Portable Solar Panel with the input port of the product to start charging. You will know the product is being charged when the LCD display indicators blink. The product is fully charged when all battery indicators stop blinking and remain solid.

Notes:

The actual charging efficiency can vary widely depending on weather, ambient temperature, sunlight's strength, the angle that the Flash Portable Solar Panel faces to direct sunlight and other factors. The maximum output voltage of the Flash Portable Solar Panel should not exceed 23.5V. It is recommended to use Flash Portable Solar Panels with an open circuit output voltage of 10.8-23.5V.

3. Charge Through AC Adapter

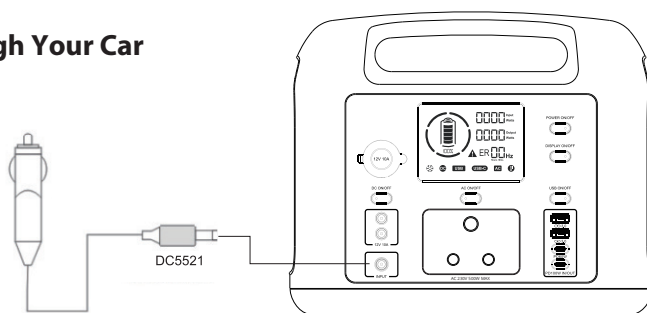


Plug the original adapter into the machine's DC input port and you will see the battery indicators blink on the screen.

Notes:

- A. The product is fully charged when all battery indicators stop blinking and remain solid. After the product is fully charged, please unplug the AC wall charger in time.
- B. Usually, it takes around 7 hours to fully charge the machine using the AC power adapter.
- C. When you charge the battery using the DC input port the PD100W port will not provide power output.

4. Charge Through Your Car



- A. Plug the original car charger into the cigarette lighter socket of your 12V car, and then plug into the DC input port of the machine.
- B. The original car charger features a 10A protector tube to protect your car.
- C. You will know the machine is being charged when the battery indicators blink.
- D. Depending on your car you may not get a full charge with this method of charging.
- E. If the charging voltage of your car is too low, the battery can't be charged using this method.

Notes:

To avoid car battery power loss, you should charge this product through your car cigarette lighter only when your car engine is started. This function is for a 12V car only.

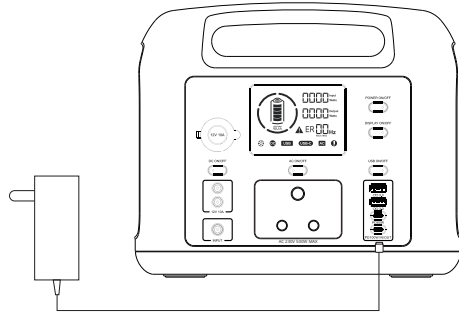
Protection mode (DC Input)

- A. Due to the different models of your car, it may not be full.
- B. Undervoltage protection: The power generator can't be charged if the voltage of your car is too low.



5. Charge Through PD Charger (PD charger not included)

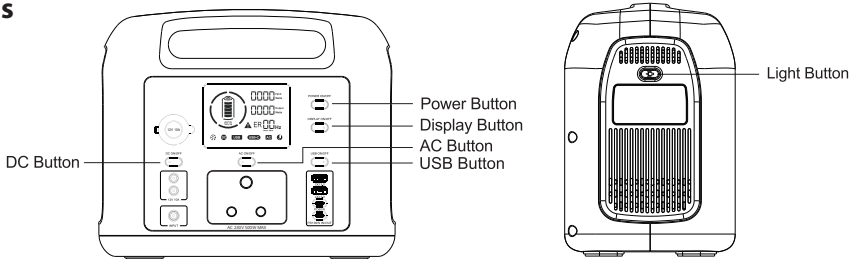
Plug your PD charger to the PD 100W IN/OUT Dock.



PD charger (not included)

Using Your Product

1. Buttons



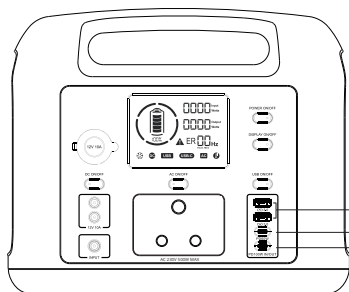
- Long press the power button for 3 seconds to turn the Solar Power Station on.
- Press the AC button to turn the AC function (The AC icon will display on the screen at the same time.) Press the AC button again to turn off the AC function when not in use.
- Press the DC button to turn on the DC function (The DC icon will display on the screen at the same time.) Press the DC button again to turn off the DC function when not in use.
- Press the display button to turn off the screen display, press the display button again to turn on the screen display. Long press the display button to turn off the sound.
- Press the power button and light button simultaneously to switch the frequency of the machine.
- Press the power button and AC button simultaneously to reset the machine.
- Press the USB button to turn on the USB function. (The USB icon will display on the screen at the same time) Press the USB button again to turn off the USB function.

2. Light Modes

- Press this button to turn on the light in high-light mode.
- Press this button again to change the light mode into low-light mode.
- Press this button again to change the light mode into SOS.
- Press this button again to change the light mode into flash mode.
- Press this button again to turn off the light.

Warning! DO NOT stare straight into the light

3. USB Output Function



A. Press the USB button to enter USB mode, UBS-A/UBS-C PD60W port will be available.

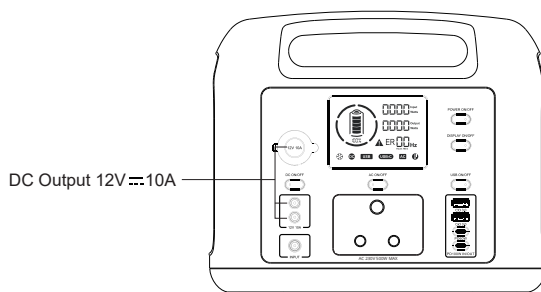
When two UBS-A ports are used simultaneously, the two ports can only output 5V/3.8A in total.

Quick Charger 3.0: 5V \approx 3A, 3.6V \approx 6V \approx 3A, 6V \approx 9V \approx 2A, 9V \approx 12V \approx 1.5A

PD Output: 60W 5V \approx 3A, 9V \approx 3A, 12V \approx 3A, 15V \approx 3A, 20V \approx 3A

PD Input/Output: 100W 5V \approx 3A, 9V \approx 3A, 12V \approx 3A, 15V \approx 3A, 20V \approx 5A

4. DC Output Function



DC Output 12V \approx 10A

A. Press the DC button to enter DC mode, DC/CAR port will be available.

B. These two DC5521 (5.5mm in diameter) 12V port offer max 10A output current and automatically distribute max current.

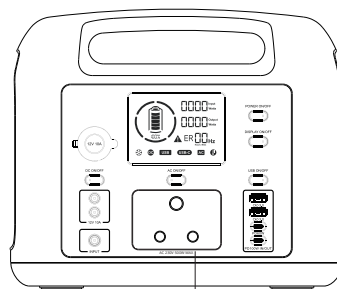
C. The DC5521 port is connected in parallel with the car charger port (the total output power requirement does not exceed 120W).

Notes:

When the products AC, DC, UBS output at full power for 3 minutes at the same time, the product buzzer will alarm, and the LCD screen will display E10 code, if the alarm persists for more than 30 seconds and is not cleared. The product will forcibly turn off the DC output to reduce the total output of the product output power to ensure product safety. If the DC output shuts down due to overload, do not force it by pressing the key open. When the remaining charge of the machine is less than 10%, the DC output function will be forcibly turned off, and it needs to be charged to restore. If idle for more than 4 hours, the DC output will automatically shut down. When not in use, please press the DC button to turn off the DC function.

Protection mode (DC Output)

Short circuit protection: when short-circuit occurs with external devices, the machine starts beeping and stops output.



AC output 230V

5. AC Output Function

A. Plug the power cable of AC appliance into the AC outlet of the Solar Power Station. Press the AC button to enter AC mode.

B. Make sure the power of the connected AC appliance is less than 300W.

Notes:

If no operation is performed, the LCD backlight will automatically dim after 2 minutes. When the machine battery is below 10%, the AC output function will be forcibly turned off and needs to be charged to be restored. If idle for more than 8 hours, the AC output will automatically turn off. When not in use, press the AC button to turn off the AC function.

Protection mode (AC Output)

A. This product has undervoltage protection; overload protection; short circuit protection. The overtemperature protection adopts double isolation circuit, which is safe, reliable and efficient.

B. When overload, over temperature or short circuit occurs, this machine will start beeping and the ER03 icon appears on the screen, and then the AC function automatically shuts down to ensure safety.

Product Specifications

Battery

Battery Type	LiFePO4 Battery
Battery Capacity	518Wh
Lifecycles	2000 Cycles
Battery Maintenance	Charge Every 3-6 Months

Port

USB 1-2 Port (Output)	5V~3A; 9V~2A; 12V~1.5A
USB-C Port (Output)	5V~3A; 9V~3A; 12V~3A; 15V~3A; 20V~3A
USB-C Port (Output/Input)	5V~3A; 9V~3A; 12V~3A; 15V~3A; 20V~5A
DC5521 Port (Output)	2*DC5521 + 1*Car Charger 12V = 10A (Max 120W)
Car Charger (Output)	
AC Port (Output)	500W Pure Sine Wave
DC5521 Port (Input)	Adapter/Solar Panel: DC 10.8~23.5V (100W Max)

General

Weight	6.5 ± 0.5kg
Dimensions	283*175*237mm
Operating Usage Temp	0°C~40°C
Illumination	1Ultra-bright LED



Cold Weather Usage

Cold temperature can affect the product's battery capacity due to the battery's chemical reactions. If you live in an environment below zero degrees Celsius, it is recommended to place the product in an adiabatic cooling environment and connect the power source (12V car power supply / AC adapter / Flash Portable Solar Panel). The natural heat generated in the adiabatic cooling environment will keep the battery capacity at the highest level.

Disposal and Recycle

This product should not be disposed along with household waste. Please dispose or recycle this product and the battery inside according to the local rules and regulations.

Battery Information

A. This product has an internal, non-removable, LiFePO4 Rechargeable battery.

Do not attempt to remove the battery, as you may damage the device.

B. The battery can be charged and discharged over 2000 cycle times.

Error Codes:

Error code	Causes	Solutions
ER01	DC output overload	Release the overload status, press the DC output button again, the DC output can then be used normally
ER02	DC output short circuit	Remove the short-circuit state, press the DC output button again, the DC output can then be used normally
ER03	AC Module Abnormal	Release the overload, over temperature, over under voltage, short circuit status, press the AC output key again, the AC output can be used normally
ER04	PD (bi-directional charging) short circuit, overload	Release the overload and short-circuit status, re-insert the USB-C, the USB-C output can then be used normally
ER05	Battery over temperature	Place the product in a cool place and wait for the product temperature to drop before using
ER06	Battery low temperature	Place the product in a hot place and wait for the product temperature to rise before using
ER07	PD (unidirectional charging) / USB-A short circuit, overload	Release the overload and short circuit status, press the USB output button again, the USB output can then be used normally
ER08	DC charging overvoltage	Use a charger with the correct charging voltage to charge the device
ER10	Battery discharge overload	When overloaded, the DC output will be automatically turned off after 210 seconds
ER11	Battery undervoltage protection	Stop using and fully charge
ER12	Low power	The AC and DC output will be automatically turned off when prompted to charge



FAQ

Q1: Which devices can this SO/PPS500W portable power station support?

A: AC output: Rated 500W; DC output: 12V/10A (120W max)

Q2: Does SO/PPS500W Power Station support pass through charging?

A: Yes, this SO/PPS500W Power Station support pass through charging, you can use all other outputs while charging.

Note: The PD 100W cannot be used when you recharge the power station with DC input (PD cable not included).

Q3: Does the product have a power saving function?

A: Yes, our power station has a power saving function:

For the AC output, when the output power is less than 3W, the AC output will shut down automatically after 8 hours.

For the DC output, when the output is less than 50mAh, the DC output will shut down automatically after 4 hours.

For the USB output, when the output is less than 30mAh, the USB output will shut down automatically after 30 seconds.

Q4: How to remove the button beep?

A: Long press AC button for 3-5 seconds to turn off, then long press AC button for 3-5 seconds to turn on.

Warning:

1. Do not short circuit the product. To avoid short-circuiting, keep the product away from all metal objects.
2. Do not heat the product, or dispose of it in fire, water or other liquids. Keep it away from high ambient temperature. Do not expose the product to direct sunlight.
3. Keep the product away from humid, dusty places.
4. Do not disassemble or reassemble this product.
5. Do not drop, place heavy objects on, or allow strong impact to this product.
6. This product is not intended to be used by persons with reduced physical, sensory or mental capabilities
7. Please keep this product away from children.
8. Do not cover this product with towels, clothing or other items.
9. Do not overcharge this product.
10. When fully charged, disconnect the product from the power source immediately.
11. If you are not going to use this product for a long time, please disconnect the cable before storing it away.
12. To charge some portable electronic device, you may need to set those devices in charge mode first. Refer to the corresponding user manual of those devices for confirmation.



Pure Sine Wave Output

This product generates Pure sine wave, which is compatible with AC electric appliances that work with Sinusoidal waveform (power<500W).

Package Content

- 1 x Portable Power Station
- 1 x AC Adapter
- 1 x Car Charger Cable

Guarantee

Our company provides customers with a guarantee of 24 months from the date of purchase.

