

User Manual

**ATTENTION:**

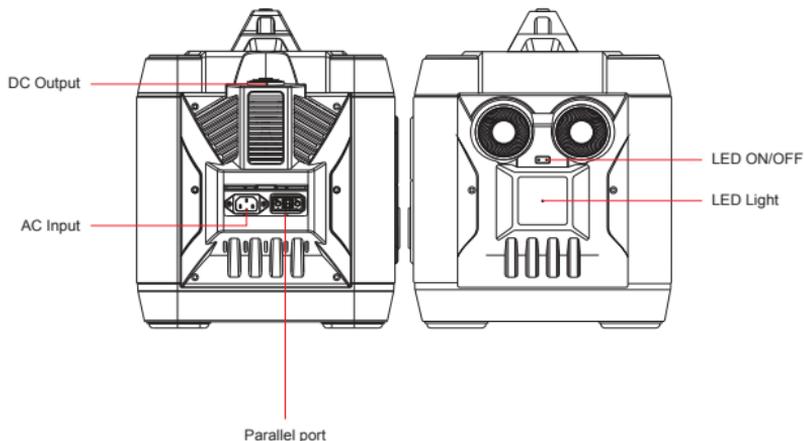
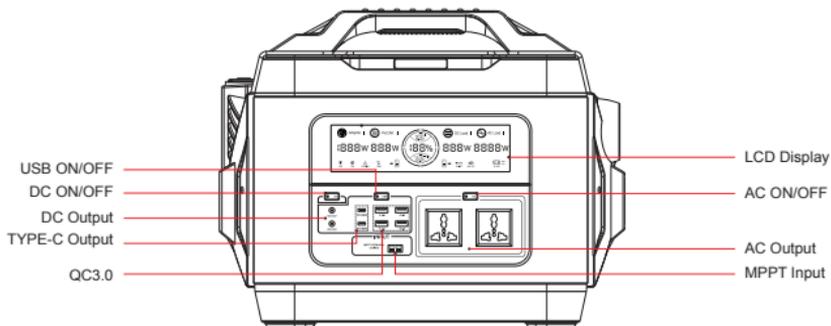
AC output voltage and frequency will be different depending on different countries or areas. Please refer to the actual product before using.

Thanks for purchasing our portable solar generator power station. Please read this manual carefully before use and keep it for review.

This manual helps you to operate this device correctly. But it is not the introduction of the soft & hard ware configuration. To know the configuration of the product, please refer to the related contract or consult with your distributor. The images in this manual are for reference only.

Thank you!

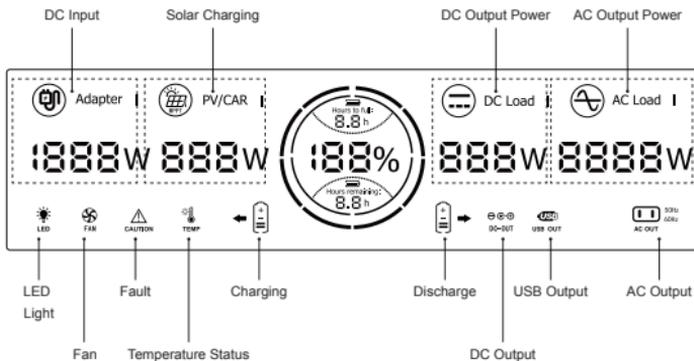
Product Description



Specifications

Model	M3000-S
Battery Capacity	48V 60Ah 2880Wh
Rated Power	3000W, Peak 6000W
Battery Type	LiFePO4
AC Input	AC 1600W max
MPPT Input	12V~80V 8.6A 650W
AC Output(x2)	100V~120V 60Hz or 200V~240V 50Hz
DC Output(x2)	12V/8A
Cigar port output	12V/10A
QC 3.0 Output(x4)	5V/3A,9V/2A,12V/1.5A
Type C Output(x2)	PD 100W: 5V/3A, 9V/3A, 12V/3A, 15V/3A, 20V/5A
LED Flashlight	4W
Output Waveform	Pure Sine Wave
Gross Weight	About 40KG
Product Size	L466*W300*H369mm
Operation Temperature	-10°C (14°F) ~40°C (104°F)
Protection Circuit	Short Circuit Protection
	Over Current Protection
	Over Power Protection
	Over Discharge Protection
	Over Charge Protection
	Over Temperature Protection
Package Included	1 x Portable Power Station
	1 x Connecting Line
	1 x Power Cable
	1 x Car Charger
	1 x User Manual

LCD Display



※ The LCD screen will shut down automatically when no outputs are activated within 60 seconds.

Battery Level Indicator

Shows the percentage of the power. It's recommended to charge the power station when battery indicates less than 20%.

Fan Indicator

The fan is intelligently started when battery temperature gets high.

Current Input

Shows the current input power in watts and provides remaining charging time in hours under current input.

Current Output

Shows the current output power in watts and provides remaining usage time in hours under current output.

Function Failures Warning

When there is Short-circuit, Exceed maximum current/power limit or Low voltage, the Function Failure sign will appear on the display and the corresponding outlet indicator will flash simultaneously for 60 seconds. Output automatically shuts down immediately. Please remove the overloaded devices and then restart the power station to resume work.

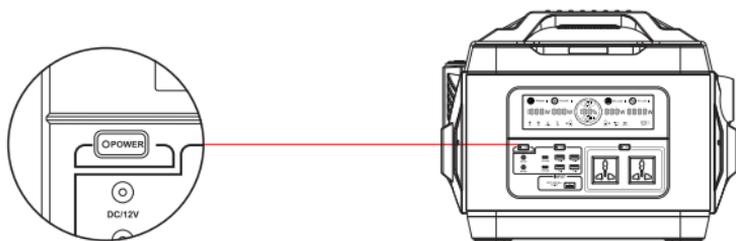
How to Use Your Portable Power Station?

1. How to start the device?

Power on: Press the main switch  briefly to start up, and the display will light up.

When the device is in the no-load state, it automatically shuts down after one minute.

Power off: In the startup state, short press to the main switch  button to close the screen, and long press the main switch  for 3 seconds to power off.



2. How to use AC OUTPUT?

Enable AC output: Long press the AC switch  for 3 seconds to activate AC output. The AC switch indicator will light up and the AC output icon  on the screen will light up, and the AC output power and frequency will be displayed in the screen. If the device is not-load, it will automatically shut down after 3 hours. (AC output can only discharge to SOC 5% and then the battery will trigger self-protection and shut down automatically.)

Disable AC output: When you do not need the AC output, long press the AC switch

 for 3 seconds to disable AC output to save energy.

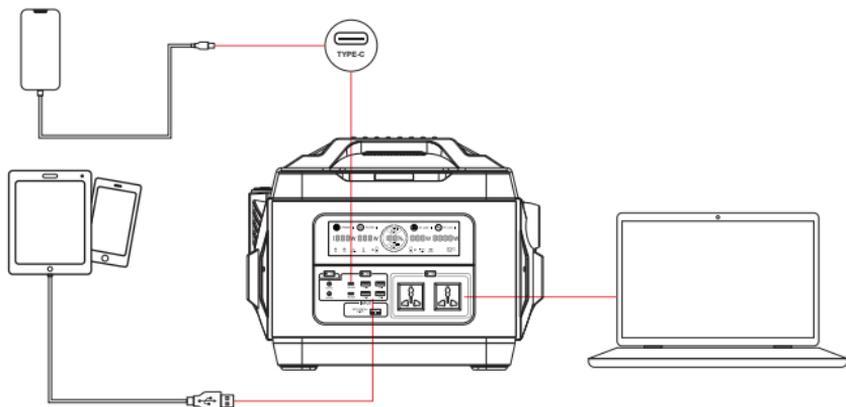


According to the power station you currently have, Limited device wattage<3000W, Such as laptop, Fan, TV, CPAP, Etc can be charged. AC will shut down when it's short circuited or power overloaded. Remove the device to recover from short circuit or over power protection.

3.How to use DC OUTPUT?

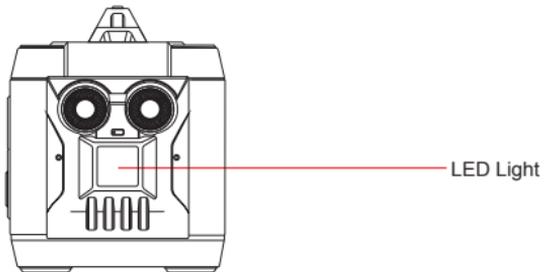
Enable DC output: Tap/press to the DC switch  to activate DC output. The DC switch indicator and the DC output icon  on the screen will lights up, and the DC output power and frequency will displayed in the screen. If the device is not-load, it will automatically shut down after 3 hours. (DC output can only discharge to SOC 5% and then the battery will triggers self-protection and shut down automatically)

Disable DC output: When you do not need to the DC output, long press the DC switch for 3 seconds to disable DC output to save energy.



4. How to use the lighting function?

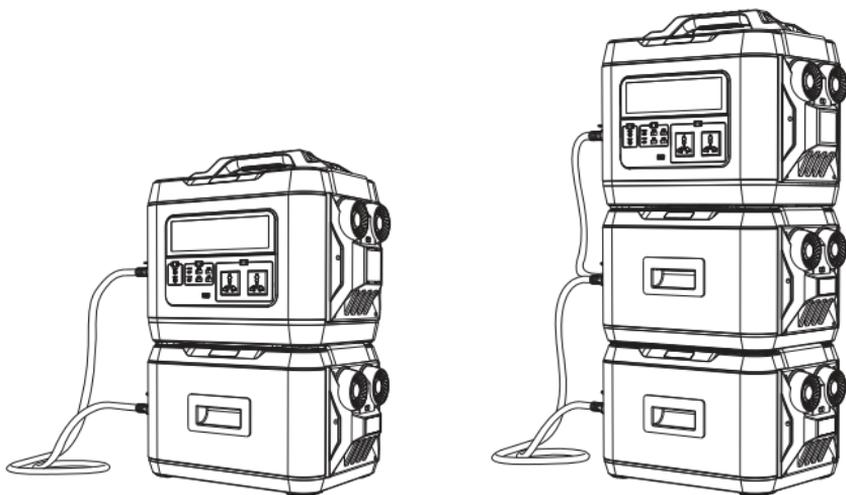
Turn on the LED light: Long press the LED switch  for 2 seconds to turn on the light, short press could switch four modes, including high light, low light, SOS and flash.
Turn off the LED light: When the LED light is on, press the button until the LED light is off.



Capacity expansion function

Smart extra battery

A single product can be connected with multiple intelligent extra batteries at the same time to expand the capacity to meet greater power requirements.



Note:

- ① Before using the M3000-S to connect the Smart Extra Battery, please make sure that both the M3000-S and the smart extra battery are turned off. (Do not connect the smart extra battery which in the Turn-on state, so as not to cause unnecessary trouble.
- ② Make sure the M3000-S is properly connected to the smart extra battery before turning it on. If the smart extra battery screen lights up to display the remaining power, and the fault light does not light up, it indicates that the smart extra battery is successfully connected.
- ③ Do not insert or remove smart extra battery during discharge to avoid unnecessary accidents.
- ④ Do not touch the metal end of the interface with hands or other objects to prevent bad contact. If there is something on the metal end, gently wipe it clean with a dry cloth.
- ⑤ To charge the smart extra battery, use the M3000-S to connect the smart extra battery while the M3000-S is off. Connecting the power cable will directly charge the smart extra battery without affecting the M3000-S's function.

Constant power

Constant power (intelligent power control)

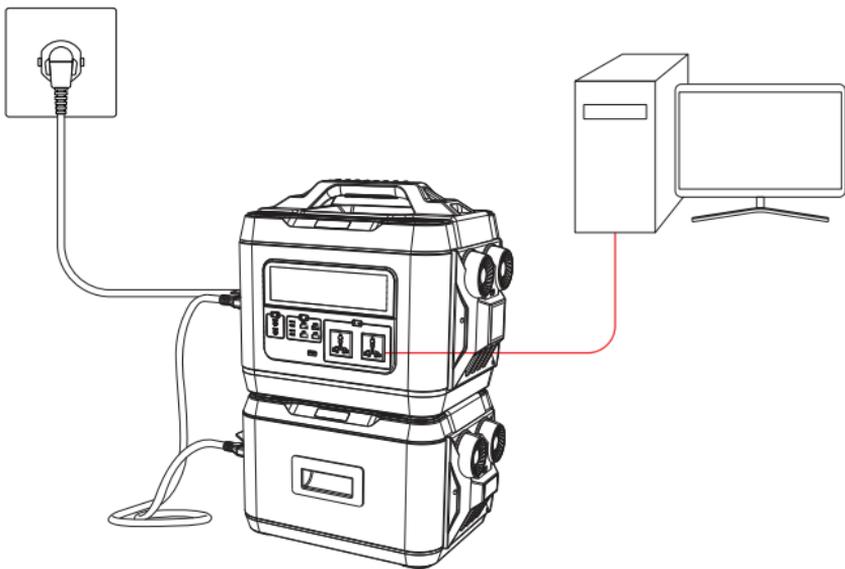
When the power used by the load exceeds the maximum output power of the M3000-S, the M3000-S will automatically adjust the output power to the maximum rated output power of the M3000-S to ensure itself working normally.

UPS function

Uninterrupted power supply function

M3000-S supports the UPS function. When you connect the mains and the M3000-S through the AC charging cable, the M3000-S can also use the AC output at the same time. (the power comes from the mains, not the battery). If the mains suddenly outage, the M3000-S can automatically switch to the battery power mode within 30ms.

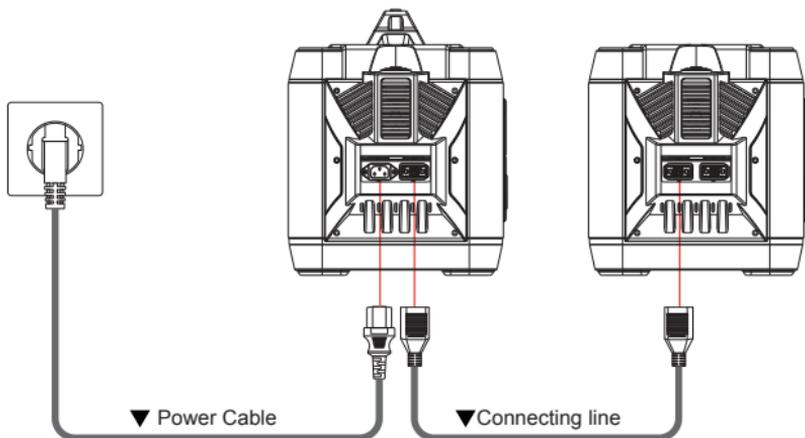
This function is a non-professional UPS function and does not support 0ms switchover. Therefore, do not connect it to devices that require high uninterrupted power supply, such as data servers and workstations, or if you still want to use it, test it several times to confirm compatibility before using it. In addition, it is recommended to use only one device, otherwise using multiple devices at the same time will cause overload protection of the M3000Pro. If the devices cannot working normally or the data is lost due to the failure to follow the instructions, the Company shall not assume the corresponding responsibility.



How To Charge The Portable Power Station?

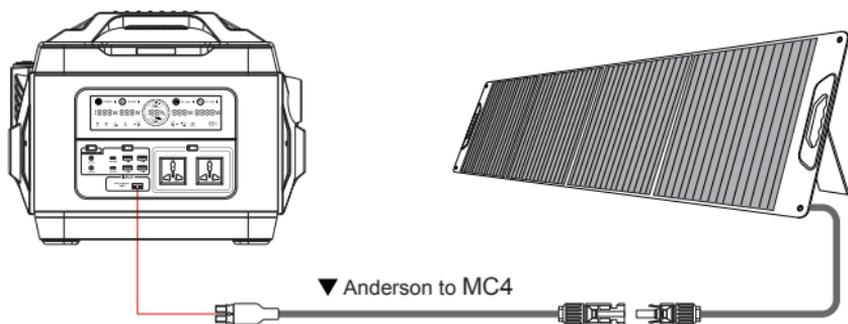
1.Charging by AC input

- Please connect our power station to the household AC socket, you'll know the unit is charging when the battery power icon light up, When the product is full of power, the icon will fully light, please remove the cable after fully charged.
- Intelligent charging. The equipment with low power will be charged first when expanding battery in parallel.



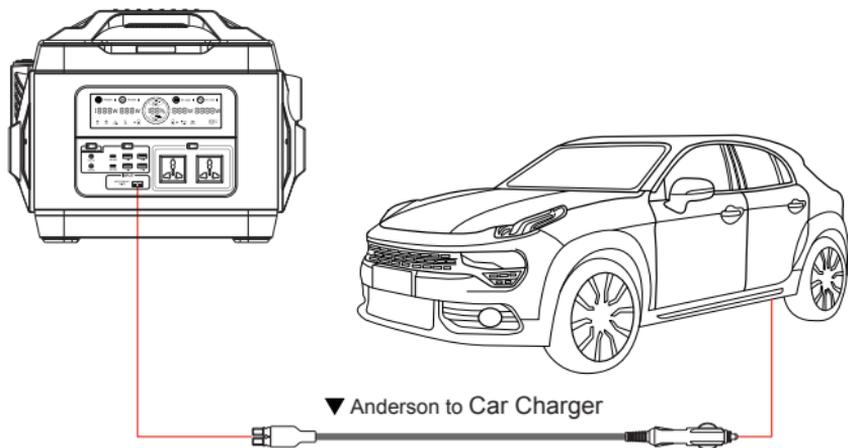
2.Charging through solar panels

- Place your solar panel where it will get as much direct sunlight as possible.
- Plug the output of the solar panel(Anderson) or MC4 to Anderson Cable into the input of the unit to start charging,the solar panel support 650W max /10~80V 8.6A max.



3.Charging by car

- Users can recharge the product through the Car Outlet. It supports 12V/24V car chargers and an 8A default charging current.
- Please charge using the car charger after you' ve started the car to avoid failure to start due to insufficient car battery. In addition, please make sure that the cigarette lighter of the Car Outlet and the Car Charger Input Cable are in good condition.



Frequently Asked Questions

1. Can the product be carried on the plane?

No. According to international air transport standards, the lithium battery should not exceed 100Wh. You can not board the plane with the product because the built-in battery is 2880Wh.

2. Why the device power sometimes not available within 3000W?

a. The power station's power is less than 20%, and it needs to be charged in time.

b. The instantaneous starting power of your equipment is larger than the peak power of the power station, or the nominal power of the equipment is larger than the actual power of our power station. It is recommended to choose our larger power products.

3. Why it's noisy when the product works?

It's the power station built-in cooling fans system. The built-in fan can better help the product to dissipate heat to achieve a high conversion rate. It is common to have a slight noise during use.

4. Is the charger(adaptor) heating up normally while the product is charging?

It is normal for the charger to heat up during charging. The standard charger conforms to national safety standards.

Product Application Skills

- 1) This product is built-in high quality original lithium ion battery. It has no memory effect but has high-capacity, and it is durable. However, we still recommend you to apply in the range of 10 °C ~30 °C, so as to obtain the optimal charging capacity.
- 2) When charging, in order to avoid interference, please stay away from TV, radio and other equipment.
- 3) If the device has not been used for a long time, please disconnect the cable and store.
- 4) Some portable devices may need to be set in charge mode to charge. Refer to the corresponding equipment use manual for more information.
- 5) After starting it, if there is no output, it's display will automatically shut down within 60 seconds, so as to achieve better energy-saving effect.
- 6) Please deal with scrap products in accordance with the regulations, Do not treat the built-in battery as a household garbage, so as not to cause explosion and pollution.
- 7) The product is only used for emergency power station, which can not replace the standard DC or AC power for household appliances or digital products.
- 8) The device has an internal, non-removable, rechargeable battery. Do not attempt to remove the battery, as you may damage the device.



To preserve lifespan
recharge every 3 months



Use original
or certified cables



Don't expose
to liquids



Don't disassemble



Avoid dropping



Avoid extreme
temperatures

SCHEMATIC DIAGRAM OF EQUIPMENT CONNECTION

