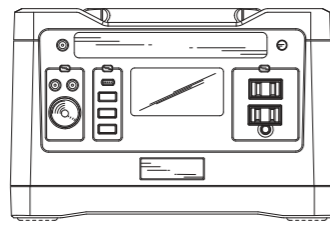


材质：157g铜版纸  
印刷：单黑双面印刷  
装订方式：风琴折页

## USER MANUAL

### 500W Portable Generator Emergency power source



Model : MT-CN500

#### Preface:

Thank you so much for purchasing our 500W portable power station, in case of power failure or you need to charge on a travel, you can charge your electrical or digital products with this unit. This unit has been built in high quality lithium battery, supports for DC and AC output, it can also be used as an Emergency light. Before using this unit, please read this manual carefully, if you have any question, please contact with us.

#### Product Care:

Please read, understand and follow all safety information contained in these instructions prior to the use of this product. Retain these instructions for future reference.

1. This product contains lithium battery. To reduce associated hazardous risks, please avoid fire sources. Proper disposal required.
2. Do not use this product in water or a damp environment.
3. Handle with care, do not use if product is damaged.
4. Completely discharge the battery before first charging.
5. Turning off the power helps save battery when not used frequently.
6. To extend the battery life, please charge the battery every other month if unused for a long time

#### Package contents:

- 1x 500W portable power station
- 1x MC4 Adapter Cable
- 1x AC Cable
- 1x Car Charging Cable
- 1x User Manual
- 1x AC/DC adapter

#### Why Choose this item?

1. With 3 Ways Input Charging-DC adapter input charge, Car cigarette DC 12V/24V power and from 100-200W 18v solar power panel(Not included)
2. Pure Sine Wave: pure sine wave output operates even the most sensitive electronics, it's better than modified sine wave, with Intelligent CPU control mode, Key switch output, LCD display, short circuit and surge protection.
3. Long Back Up Time: About 2-4 hours(PC+Display), About 180 hours (12V LED) About 108 hours (for 5V mobile charger), About 14 hours (Laptop 13") About 11 hours (50W Fan), About 7.5 hours (32" LCD TV), About 27 hours (20W energy-saving lamps).

#### NOTE:

1. Calculate the Charging Time for Your Device:  
Charging time=540WH/Your device power. For example, Your device power is 60 watt. Then the working time= 540WH /60w= 9 hrs.(about)
2. Suggested Related Solar Panel:  
We suggest you can choose 100-200W solar panel which Optimum Operating Voltage (Vmp) is 18V, because of higher power, charging faster, charging speed is also relating to sun intensity.
3. How to check if the generator is fully charging?  
Full Power State: When the battery tank is full, and the display shows 100%.

Low battery: When the percentage is lower than 10%, it will alarm, and when it is 0%, it will stop output.

4. What appliance this item can supply power?  
Please ensure that your AC devices Total power does not exceed 500W.

#### Warranty & Customer Support

Thanks for purchasing our 500W portable power station, if you have any questions about it, please feel free to get in touch with us.

Your valuable opinions and suggestions are highly appreciated. Welcome to leave your real and objective review to help other buyers reference.

When you get the product, please first to charge the product full. And at least charging once a year.

The MT-CN500 is covered warranty for 12 months from the date if its original purchase.

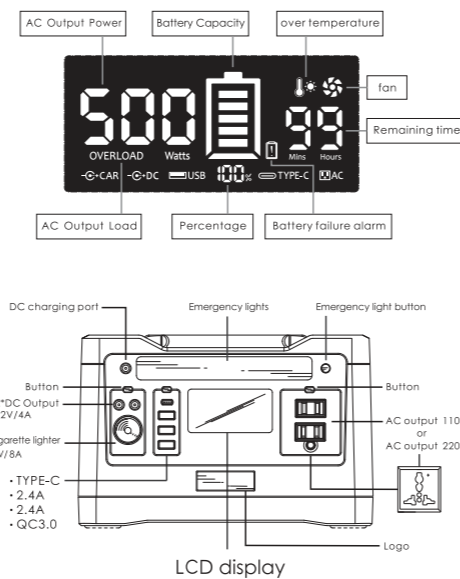
Please note, we can only provide after sales service for products purchased directly from us. If you have purchased from other seller, please contact them directly for service or warranty issues.



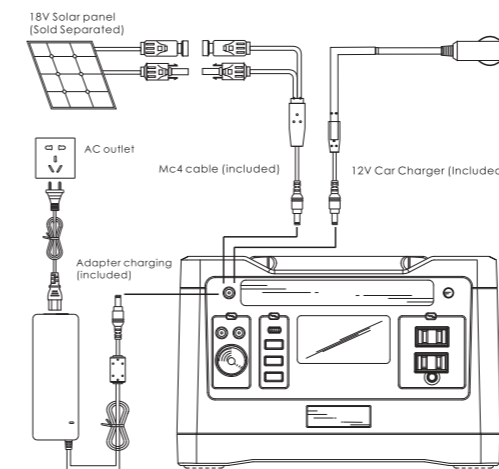
#### Product parameters:

Capacity	Lithium battery 50AH/540WH
Continuous power	500W
Over-load protection	540W±40W
Peak Output power	1000W
Output waveform	Pure sine wave
DC adapter input charge	DC 24V/3.75A
AC Output Voltage	AC 110V±10% or AC 220V±10%
Output Real power	≥87%
Quiescent current	< 50uA
Under-voltage	8.5±0.5V
Auto recover when UVP locked	11±0.5V
Over-voltage protection	13±0.5V
Fuse	3*30A
Overheat protection	>65°C
Cooling fan	Temperature control fan
Short-circuit protection	Have
USB output	TYPE-C+2.4A+2.4A+QC3.0
DC output	Cigarette lighter 12V/8A 12V*2 output ports(4A+4A)
LED Lighting	4W LED Lighting
LCD instruction	Battery level, percentage, time, fan, DC, USB, AC output power, over temperature, as picture
solar input Charging panel(Optional)	Voltage 18V 100W-200W
Solar Panel Voltage	DC 12V-24V
Size / Weight	10.24*6.7*6.82in/5.5kg (12.13lb)

#### Product Diagram



#### Three ways of recharging



1. 90W Adapter charging included (6-7 hours Fully Charged)
2. 12V Car Charger cable included (6-7 hours Fully Charged)
3. 100-200Watt Solar Panel (Not included), Operating Voltage 18V with MC4 connector (6-7 hours Fully Charged depending on solar conditions)

#### FAQS and Solutions

1. How long will it work at 80% load?  
It depends on your devices input voltage. This power station is 540WH battery capacity, please check your devices input voltage and current.
2. What kind of a "mini cooler" or "mini-fridge" could this unit power?  
The generator AC continuous output is 500W and the battery capacity is 540WH. It could power the device which power less than 500W and the time depends on the power of the fridge and the fridge compressor. Normally the power of the compressor is three times that of the fridge.
3. Can you use this battery to jump start your cars battery?  
No, it could not be used to jump start car battery.
4. How long does it last on a single charge?  
It will last about 2-3 years after a full charged, if you do not use it.
5. Can you charge the battery using solar while charging your phone at the same time?  
Yes, you can.
6. Will this be able to power up the router for accessing internet?  
It can, but how long it will run will depend upon the current draw of the router.
7. Does the battery user replaceable?  
No, it doesn't.