



MASSIMO
ELECTRIC

MPS-500W POWER STATION

Owner's Manual



Li-ion

WARNING:

Before using our power station, please read the following instructions carefully:

1. This power station has a built-in lithium battery that is highly sensitive to high temperature. Keep it away from heat sources, direct flame, heaters and heat sources.
2. Keep away from moisture or water.
3. Do not disassemble, microwave, puncture, incinerate or insert foreign objects into the power station.
4. Do not crush, blend, shred, drop or place heavy objects on top of the device.
5. Do not use the product if damaged or punctured.

Thank you for purchasing MASSIMO's 500W Portable Power Station. This portable power station has powerful battery capacity of 560Wh, it supports AC wall outlets, solar panels, vehicle charging and is designed to keep your electronics devices powered while you are on the go.

It comes with AC outlets, 12V DC output ports, 12V car port, Type-C port and fast charging USB ports 3.0 for your convenience. Perfect for outdoor travel, it is compatible with most electronics devices such as drones, laptops, lights, smart phones, tablets and cameras.

You can charge your electrical or digital devices with this unit in case of a power failure or when you are out and about on a road trip.

It also works as an emergency power kit, especially suitable for locations that are prone to severe weather patterns and natural disaster related power failures including typhoons, floods, hurricanes, earthquakes, forest fires, snowstorms and low-temperature disaster prone areas.

The power station is also suitable for camping activities, works well in keeping outdoor electrical appliances charged including uses such as night market power supply, medical power supply and general household electricity storage.

Package Contents

- 1* 24V 5A AC power Adapter
- 1* AC Power Cord-US Standard
- 1* Car Cigarette Cable
- 1* User manual

Warnings:

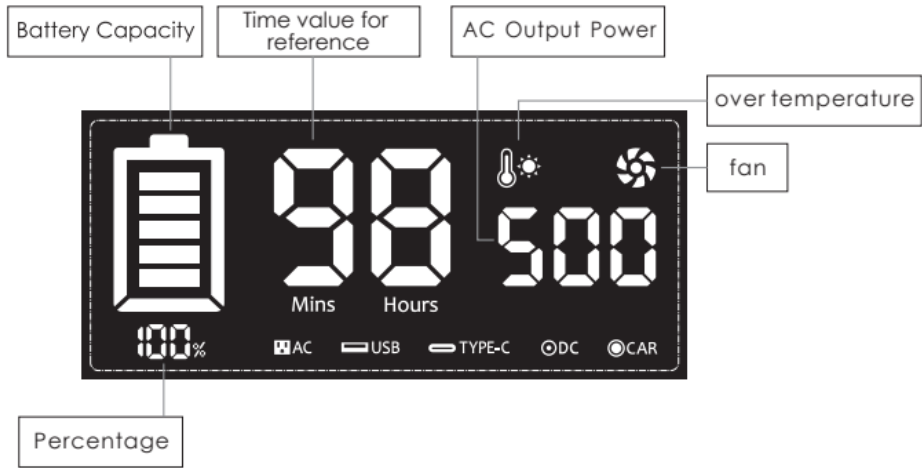
Before using our power station, please read the following instructions carefully:

1. This power station with built in lithium battery that is highly sensitive to high temperature-Keep it away from heat sources like direct fire or different heaters and Please avoid exposing this power station to fire sources.
2. Keep away from moisture or water.
3. Do not disassemble, microwave, puncture, incinerate or insert foreign objects into the power station.
4. Do not crush, blend, shred, drop or place heavy objects on top of the device.
5. Do not use the product if damaged or punctured.
6. To always be prepared-Please charge the power station every other month if not used for a long period of time.

Product Parameters

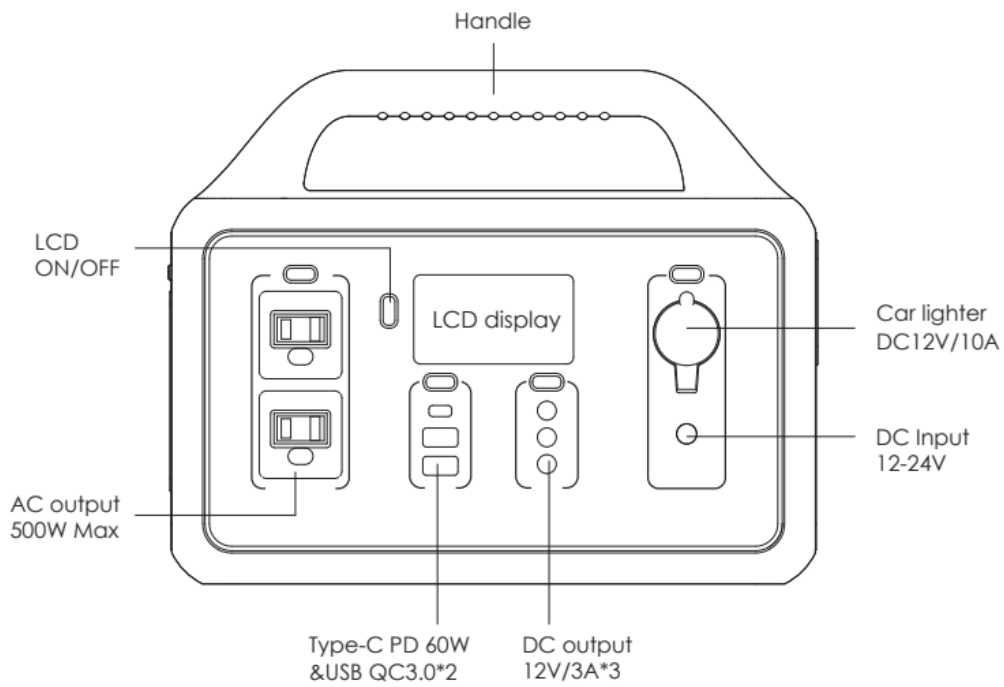
Battery Capacity	Lithium-ion-560Wh(26Ah/21.6V)
AC Input charging	AC100-240V to 24V/5A
Car Input charging	DC12V~24V/7A MAX
Solar Input charging	DC12V~24V/7A MAX
DC 12V output	1*Cigarette Lighter 12.8V/10A MAX Output Regulated 3*Dc output 12.8V/3A Total 10A Max
AC Output waveform	Pure sine wave
AC Continuous Output	500W MAX
AC Voltage	110V AC±10%
Output Frequency	60Hz±5%
USB Outputs	USB-C:PD3.0 60W (5V/3A,9V/3A,12V/3A,15V/3A,20V/3A)AUTO USB-A:QC3.0*2 18W MAX (5V/3A,9V/2A,12V/1.5A)AUTO
LED Lights	2W MAX, 3 Levels(L/M/H adjustable) with SOS function
Safety Protections	Short-Circuit Over-Current Over-Voltage Low-Voltage Over-Load Over-Temperature
Operation Temperature	0-40 C
Battery Charge Cycles	≥800 times DOD>80%
Pass-Through Charging	Supported
Weight	≈11 LBS

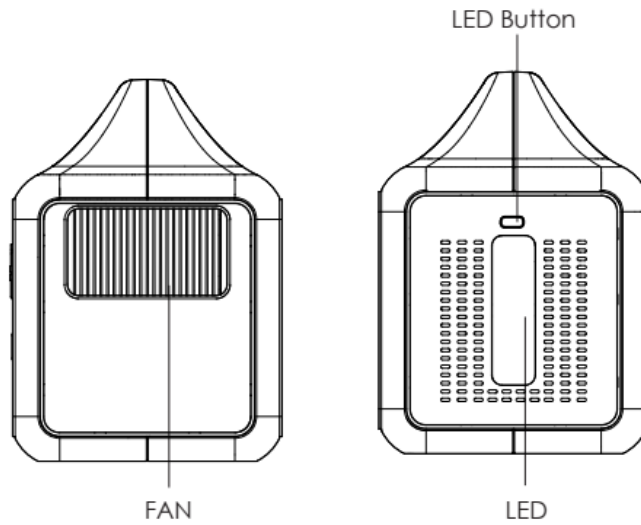
Product Diagram



Please Note

Remaining usage time is dynamic and dependent on output wattage, output wattage changes according to battery level of the item that is being charged.





	90+ Times (for 5V mobile charger)		23 Hrs (20W energy-saving lamp)		16+ recharge (DRONE)
	12 Hrs (Laptop 13")		6.5 Hrs (32" LCD TV)		24 Hrs (Mini Refrigerator)
	9.5 Hrs (50W fan)		150 Hrs (12V 3W LED)		11.5 Hrs with AC charge. USE DC to get 38 hours+ (CPAP)

NOTES:

1. To get longer runtime, using DC port instead of AC outlet to power your CPAP machine is recommended. It will avoid using internal inverter thus save energy and give your CPAP longer runtime. Google Search CPAP machine model+DC converter to find the proper DC converter.
2. The above charging time is calculated as a reference guide only, the actual usage time depends on the actual power of the connected devices.
3. Run time= $560\text{Wh} \times 85\%(\text{conversion rate}) / \text{Your device's power}(\text{Watts})$.

3 Methods of Recharging

1. AC Wall outlet

You can use a standard home AC wall outlet to recharge the power station with an estimated charging time of 5.5 to 6 hours.

2. Car Cigarette Lighter Port

Recharge through your car or truck lighter socket. You can access DC power from 12V/24V vehicles and charge the unit by plugging it into the car cigarette lighter port with an estimated charging time of 8 to 9 hours.

NOTE: Vehicles need to start car engine while charging by car charging way.

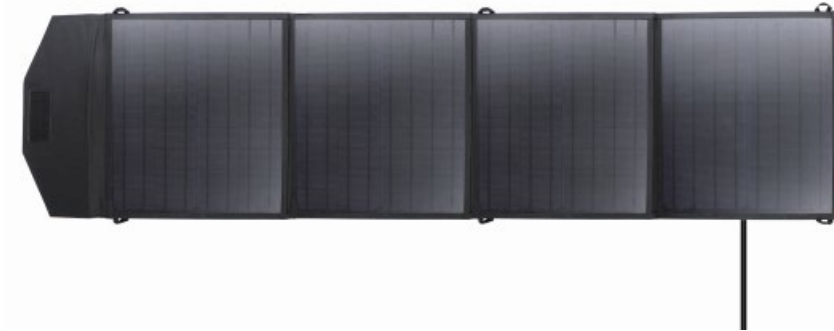
3. Solar Charging

Charging the power station using a solar panel(as shown).

Please NOTE-Charging time depends on the solar panel's wattage and the sun's intensity.



Solar Panel Connection



Solar panel Selection:

We recommend 60W~100W solar panel with a Voltage at Maximum Power (V_{mp}) of 13V~24V DC. Never use higher than 24V DC to recharge this power station.



Using your 500 Watt power station

1. Press the power button or any other port button to turn on the unit. When not using certain ports, it is best to turn them off to conserve power.
2. Read the LCD screen to know which port is turned on.
3. Plug in your gear.
4. Your unit supports full pass-through charging so you can charge your power station and run your gear at the same time.

Multiple Usage Scenarios

Emergency:

Can be used as an emergency power supply, especially suitable for locations that are prone to severe weather patterns and natural disaster related power failures including typhoons, floods, hurricanes, earthquakes, forest fires, snowstorms and low-temperature disaster prone areas.

Outdoor activities including:

Road trips, camping, outdoor celebrations, fishing, climbing, outdoor photography enthusiasts, RC & drone charging, farming and bird watching.

Indoor activities:

Home and office electrical device charging, energy-saving lamps, television, mini refrigerators, Christmas decoration lights, printers, laptops, fans and smartphones.

FAQS and Solutions

1. Which electronic appliances can i use with the power station?
All electronics devices of up to 500 Watts.
2. Solar Panel Selection:
We recommend 60W~100W solar panel with a Voltage at Maximum Power (Vmp) of 13V~24V DC. Never use higher than 24V DC to recharge this power station.
3. Auto Sleep energy saving feature:
This power station had an energy-saving sleep mode that automatically activates if the unit detects that there are no devices connected. The unit will shut down and stop power output if no device is connected after 12 hours of the AC button being switched on.
4. What kind of a "mini cooler" or "mini-fridge" could this unit power?
The power station's AC continuous output is 500W and the battery capacity is 560Wh. It can power any device that requires less than 500W. However, the usage time depends on the power of the fridge and the fridge compressor.
5. Is this device water/weather resistant?
NO. Do not expose the unit to water.
6. Are the batteries used replaceable or upgrade-able?
NO. Batteries are built in. NOTE-Opening of the unit will void your warranty.
7. Is there a way to disable a port group?
YES. Clicking a port's group button will disable/enable it. When enabled, an icon appears on the LCD screen.
8. How long will a single charge last without using the unit?
3-5 months. But we suggest you charge the power station every two months if not used for a long period of time, to keep it full energy in case of emergency usage.
9. Does this device support pass-through charging?
YES. You can simultaneously charge other devices while recharging the power station.
10. Can I use this battery to jump start your car battery?
NO.

Warranty & Customer Service Support

We offer a 1-year warranty against manufacturing defects.

If you have any questions or issues, please Email our customer service team for help at customerservice@massimomotor.com

Massimo MotorSports LLC

Address: 3101 W Miller Road Garland, TX 75041, USA

Phone: 877-881-6376



CAUTION

- a) Do not overcharge the internal battery. See instruction manual.
- b) Do not smoke, strike a match, or cause a spark in the vicinity of the power pack.
- c) Only charge the internal battery in a well ventilated area.
- d) Risk of electric shock. Connect only to properly grounded outlets.
- e) Risk of injury to persons. Do not use this product if the power cord or the battery cables are damaged in any way.
- f) Keep away from moisture or water. Do not use outdoors on rainy days.



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