

LiPOWER
Power Anything Anywhere Anytime

USER MANUAL

PORTABLE POWER STATION

MARS-1000

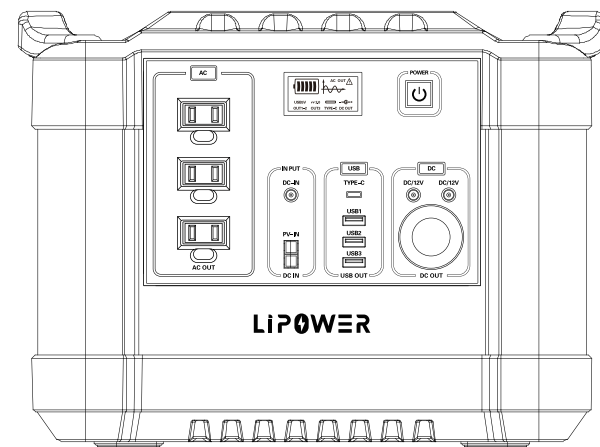


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After-sales Service: support@lipowershop.com

Safety Precautions

- 1) To avoid short-circuiting, keep the unit away from all metal objects (e.g. coins, hair-pins, keys, etc.)
- 2) Do not heat the unit, or dispose of it in fire, water or other liquids. Keep away from high temperatures. Do not expose the unit to direct sunlight.
- 3) This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- 4) Children should be supervised to ensure that they do not play with the appliance.
- 5) The unit may become hot when charging, this is normal. Do not cover the device with towels, clothing or other items.
- 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 the explosion and pollution.
- 7) The product is only used for emergency power station, it can not replace the standard DC or AC power of household appliances or digital products.
- 8) Your 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 4 months



Don't disassemble



Don't expose to liquids



Not permitted on aircraft



Avoid dropping



Avoid extreme temperatures

Package Contents

Note: If you have any questions and suggestions in using **LIPOWER** products, you can contact at: support@lipowershop.com for more help as a priority.



1 x 1000W Portable Power Station



1x AC Power Adaptor



1x Accessories Storage Bag



1x DC TO MC4 Powerpole Connector



1x User Manual

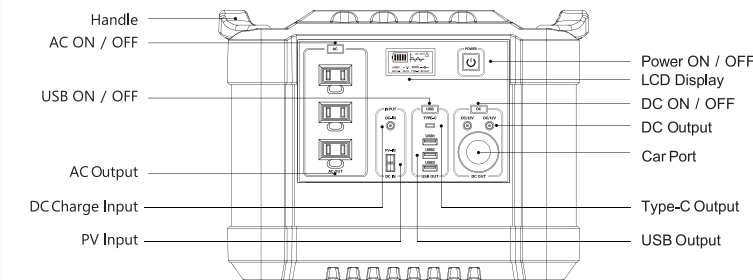


1x Car Charger Cable

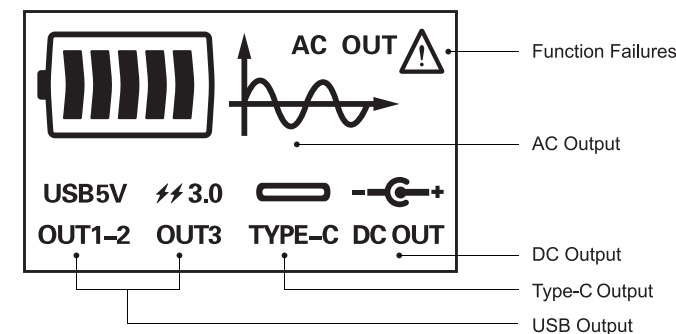
Specifications

Model	MARS-1000
Battery Type	Premium Lithium ion Battery
Battery Capacity	1100Wh (3.7V / 300,000mAh)
Rated Power	1000W
Peak Power	2000W
Charge Input	CC / CV, 26V / 4.5A
AC Output	110V / 60Hz
USB Output	5V / 2.1A, 5V / 1A (Total 3.1A)
QC 3.0	5V / 3A, 9V / 2A, 12V / 1.5A
DC Output	12V / 8A Max
Type-C Output	PD60W, 5V / 3.6A, 9V / 3.6A, 12V / 3.6A, 20V / 3A
Solar Charge Input	13V-30V / 4.5A (DC), 8A (Anderson)
Output Waveform	Pure Sine Wave
Operation Temperature	-10°C (14°F) ~60°C (140°F)
Multiple Protection	Short Circuit Protection Over Charge Protection Over Discharge Protection Over Current Protection Over Power Protection
Product Size	L 12.6 x H 10.2 x W 9.1 in (320 x 260 x 230 mm)
Net Weight	26.5lb (12kg)

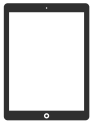







Product Overview



LCD Display




What it Powers

 iPad(32.9Wh) 25+ Recharges	 MacBook Pro(58Wh) 18+ Recharges	 TV 30-Inch 12+ Hours	 Mini Fridge(60Wh) 15+ Hours
 Blender(300W) 3+ Hours	 Coffee Maker(550W) 90+ Mins	 Oil Filled Heater(700W) 80+ Mins	 Electric Grill(900W) 70+ Mins

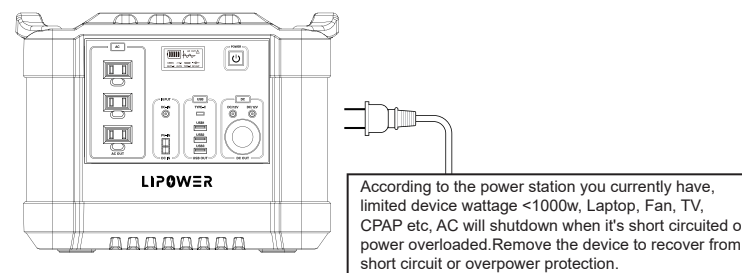
Using Your Power Station

1) How to provide power for AC appliances with this power station?


WARNING! The interface specifications and voltage standards vary from country to country; please carefully check whether the product specifications are consistent with the appliance specifications before use, otherwise it can lead to dangerous situations.

- a. Long press (about 2 seconds) the **AC** button to start, the LCD display screen of this product display the icon  meaning the AC output is ON, the electrical appliance starts to work.

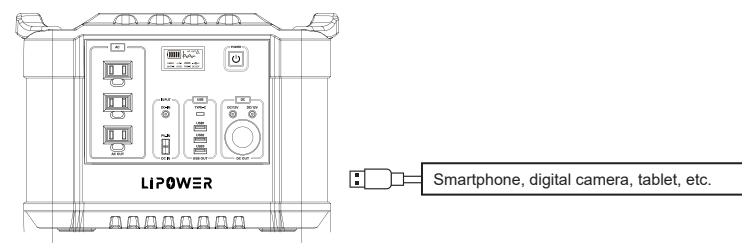
- b. Long press (about 2 seconds) the **AC** button to turn OFF AC output, the electrical appliance stop work.




2) How to provide power for USB / Type-C appliances with this power station?

- a. Single click the button **USB**, the LCD display screen of this product display the icon **USB 5V QC3.0** , meaning the USB / Type-C output is ON, no matter charge your head lamp, fan, radio.

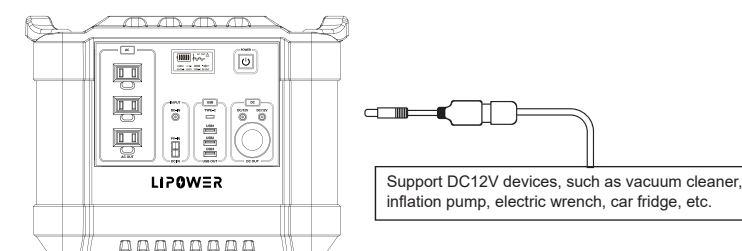
- b. One more single click the button **USB** to turn off USB output. USB would switch off within 30 seconds automatically when there is no loads.



3) How to provide power for DC 12V digital appliances with this product?

- a. Single click the button **DC**, the LED display screen of this product display the icon , meaning the Type-C output is ON. Please confirm whether the interface of DC12V appliance or lighting equipment is the DC5.5 connector.

- b. One more single click the button **DC** to turn off DC output, DC would switch off within 30 seconds automatically when there is no loads.



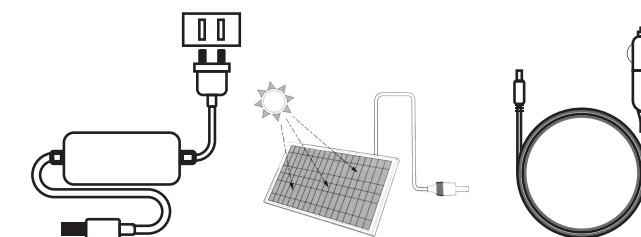
Three Ways of Recharging

Charge Me Now:

Before use or storage, plug your LIPOWER MARS-1000 into the wall outlet until it is full charged.

Battery Level Display:

There are 5 segments to the battery, approximating 20%-40%-60%-80%-100% capacity. If the LCD display shows less than 20% capacity, just plug it into a power source, like AC outlet or a solar panel as soon as possible.



AC Wall Charger

8~10 Hours

2 X Solar Panel 100W(not included)

9~12 Hours

Car Charger

12~15 Hours

Frequently Asked Questions

Q1. Can I take my LIPOWER on a plane?

A: No, you can't. According to international air transport standards, lithium ion (rechargeable) batteries are limited to a rating of 100 watt hours (Wh) per battery when you take an aircraft.

Q2. Can I charge my device while recharging the power station at the same time?

A: Yes, but not recommended. Since it will hurt LIPOWER MARS-1000 battery just like other rechargeable lithium battery power devices on the market, and also make it take much longer to full charge LIPOWER MARS-1000.

Q3. Is the battery inside replaceable?

A: No, it is not replaceable.

Q4. Why the power station is sometimes unavailable when the appliance is less than 1000W?

A: a. The power station is running low battery. If the LCD display shows less than 20% capacity, 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 the power station. It is recommended to choose our larger capacity power station.

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Q5. Why is there a sound while the power station is working?

A: This is the running sound of the built-in cooling fan. The cooling fan can help dissipate heat to achieve a high conversion rate. It is normal to have a slight noise during use.

Q6. How often should the power station be charged if it is not used for a long time?

A: To preserve the battery lifespan, we strongly recommend to recharge it every 3-4 months if it is not used for a long time.

Q7. How long will the MARS-1000 run my device?

A: Since there's would be some power loss while charging. The working time can be calculated by:
Working time = $1100\text{Wh} * 0.85 / \text{operating power of your device}$. For example, 1100Wh battery should run a 60W mini fridge, it will be: $1100 * 0.85 / 60 = 15.5$ hours.

Q8. Does the AC Outlets turn off automatically?

A: Will not close automatically. When you finish using the AC port, please turn off the AC button. to Avoid wasting power.

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Warranty And Support

Limited Warranty

LIPOWER warrants to the original consumer that LIPOWER products will be free from defects in workmanship and material under normal consumer use during the applicable warranty period identified in the "Warranty Period" section below, subject to the exclusions set forth below. This warranty statement sets forth LIPOWER's total and exclusive warranty obligation. LIPOWER does not authorize any person or third-party to sell our products for us or assume any other responsibility in connection with them.

Warranty Period

The warranty period for LIPOWER power products is 24 months. In each case, the warranty period is measured starting on the date of purchase by the original. The sales receipt from the first consumer purchase, or other reasonable documentary proof is required in order to establish the start date of the warranty period.

Remedy

LIPOWER will replace (at LIPOWER's expense) any LIPOWER product that fails to operate during the applicable warranty period due to defect in workmanship or material. A replacement product assumes the remaining warranty of the original product.

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Limited to Original Consumer

The warranty on LIPOWER's product is limited to the original consumer and is not transferable to any subsequent owner.

Exclusions

LIPOWER's warranty does not apply to:

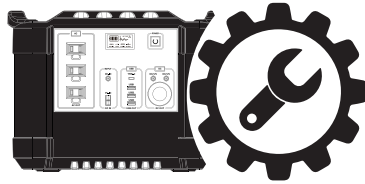
- any product that is misused, abused, modified, damaged by accident, or used for anything other than normal consumer use as authorized in LIPOWER's current product literature.
- any product purchased through an online auction house.
- attempted repair by anyone other than an authorized facility.
- LIPOWER's warranty does not apply to the battery cell unless the battery cell is fully charged by you within seven days after you purchase the product and at least once every 3 - 4 months thereafter.

How to Receive Service

To obtain warranty service, please send an email to support@lipowershop.com. Our customer service will address your issue within 24 hours.



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LIMITED WARRANTY

Any repair, replacement, or warranty service, and all questions about this product should be directed to LIPOWER Technology Co., Ltd. at

support@lipowershop.com

LIPOWER Technology Co., Ltd. warrants to the original purchaser that the product will be free from defects in material, parts and workmanship for the period designated for this product. The warranty commences the day the product is purchased and covers up to **a period of 2 year (24 months) for labor**. LIPOWER Technology Co., Ltd. agrees that it will, at its option, replace the defective product with either a new or remanufactured unit equivalent to your original purchase during the warranty period.