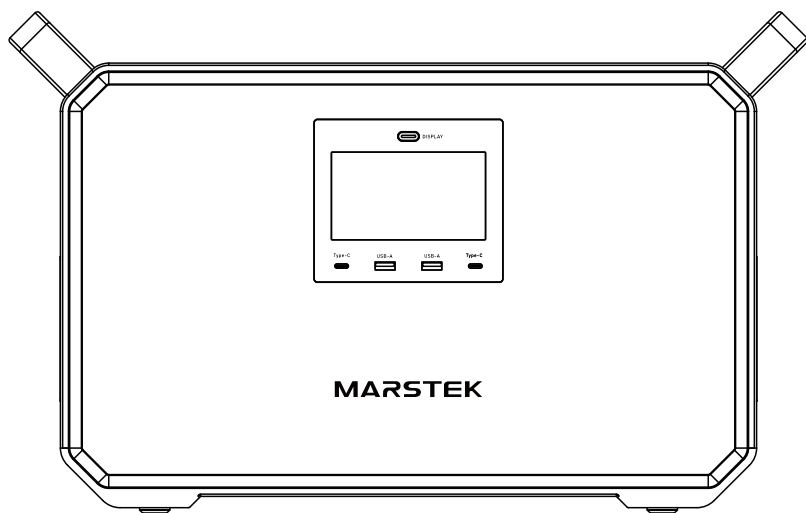


PORTABLE POWER STATION M2200



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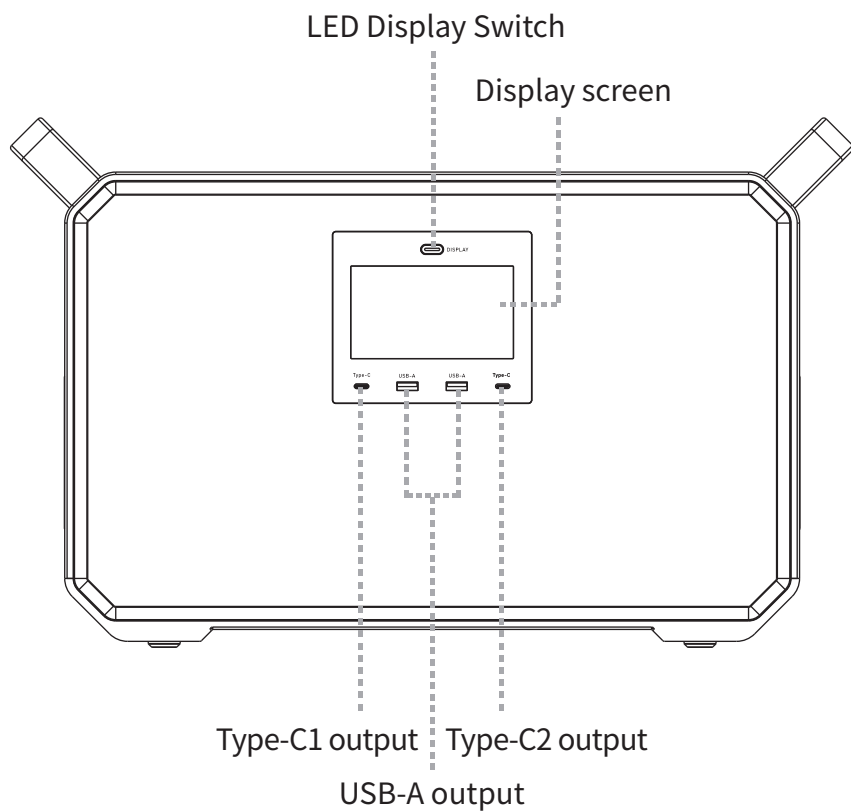
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Important! This product manual is for the energy storage system product with an AC output range of 200V-240V/50Hz. Please refer to the actual product for the specific specifications and parameters. Before using this product, please read this manual carefully.

Product description



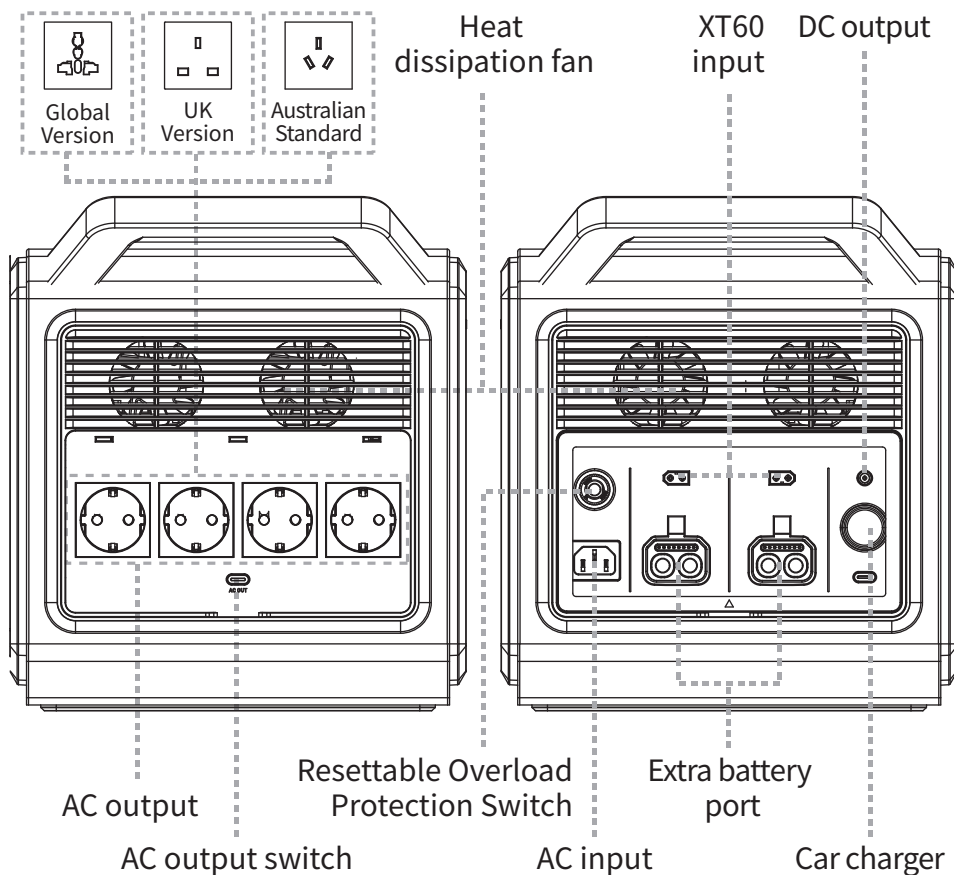
LED Display Switch

1. Light press to turn on/off the LED display.
2. Long press to reset Bluetooth pairing information.

Input

1. Supports AC input up to 2000W.
2. Supports solar energy input via XT60 up to 600W*2.
3. Supports vehicle input up to 120W.

Product description



Output

1. Type-C1 output supports up to 100W.
2. Type-C2 output supports up to 45W.
3. USB-A (x2) output supports up to 18W each.
4. Car charger/DC output supports up to 12V/10A (shared).
5. AC (x4) output supports rated 2400W, peak 4800W.

*Extra battery need to buy separately

Specifications

					
Capacity	Weight	Dimension	Battery Cell	Bluetooth	Certificate
2240Wh (50000 mAh/ 44.8V)	27.6±0.5 kg	495.6x276x311mm	LiFePO4	Bluetooth 4.2	 RoHS

						
XT60 Input	AC Input	Car charger Output	DC Output	Type-C Output	USB-A Output	AC Output
600W*2 (12-59V)	2000W max.	120W max.		1:PD100W 2:PD45W	18W max.	2400W

				
Cycle times	Storage Temperature	Operation Temperature	Charging Temperature	Protect system
6000times (25°C)	-10 - 45°C	-10 - 40°C	0 - 40°C	Overcharge protection, Over-discharge protection, Overcurrent protection, Over temperature protection, Short circuit protection, Overvoltage protection.

Operating temperature range

Low temperatures may affect the product's battery capacity. The product can be charged within a temperature range of 0°C to 40°C. If you are charging under freezing conditions, we recommend storing the product in an insulated cooler or other temperature-controlled environments and connect it to a power source (AC output socket, solar photovoltaic panel). The product can charge devices within a temperature range of -10°C to 40°C.

Chargeable device

USB Output: Smartphone, Smartwatch, Digital Camera, E-reader, Tablet, etc.

12V Car charger Outlet: Light, Car Adaptor, etc.

AC Output: Laptop, LED screen, Household appliances, etc.

AC Output:



LED lights
12V/5W
(380 h)



Camera
16WH
(119 times)



Laptop
60WH
(31 times)



Drone
60WH
(31 times)



Fan
45W
(42 h)



TV
110W
(17 h)



Wall breaking
machine
400W (4.5 h)



Electric
cooker
800W (2.2 h)



Projector
100W
(19 h)



Electric oven
1500W
(1.2 h)



Electric Drill
1000W
(1.9 h)



Hair Dryer
1200W
(1.6 h)

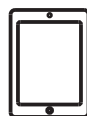
USB Output:



iPhone 15
3349mAh
(144 times)



Nintendo Switch
4310mAh
(119 times)



Ipad pro2021
28.65Wh
(66 times)

DC Output:

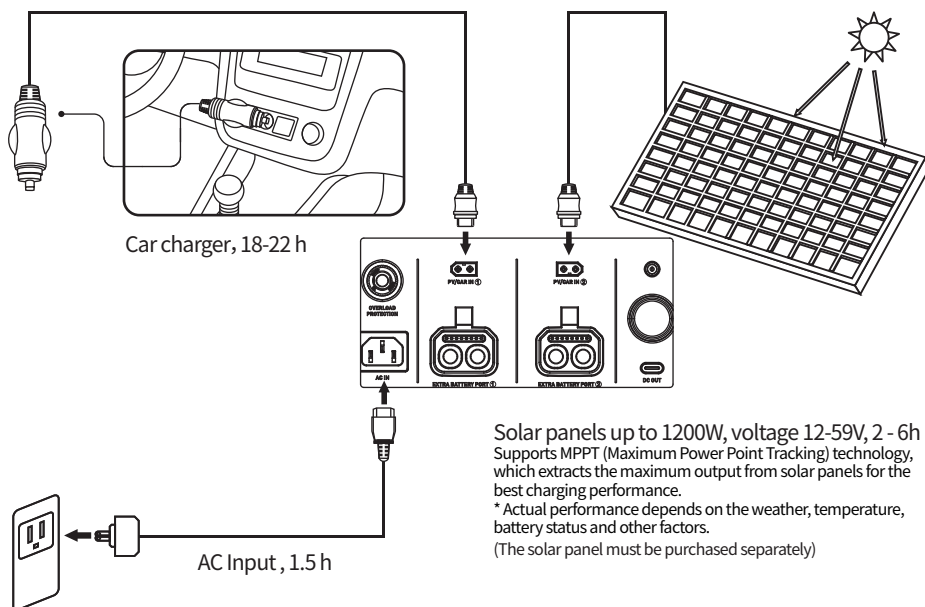


Car charger Outlet Car refrigerator
65W
(29 h)

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Charging Method

Before using or storing the product, please charge it with the power cord. When charging from the mains, the LED screen will light up and display the current battery level. A 100% display on the LED screen indicates a full charge.



Use Instructions

How to use it:

1. Press the power switch next to each port you are going to use.
2. When the indicator light next to the port is on, the output port is activated and can power the corresponding device.
3. The AC output port is rated for a maximum of 2400W (peak 4800W). If the product is used beyond the maximum power, the over-power protection will activate, and the AC output will shut off. Press the button to reactivate after the load is removed.
4. To avoid draining the battery due to forgetting to turn off the output during use, you can set a shutdown timer for no-load or light-load conditions in the app.
5. If the product is not used for a long time, it is recommended to replenish the charge every 3 months, maintaining the battery level between 60%-80%, and store it in a cool and dry place.

Note: Please press the power button to turn it off when not using the AC power port to save power.

Troubleshooting

If your device does not successfully charge with this product, please follow these steps:

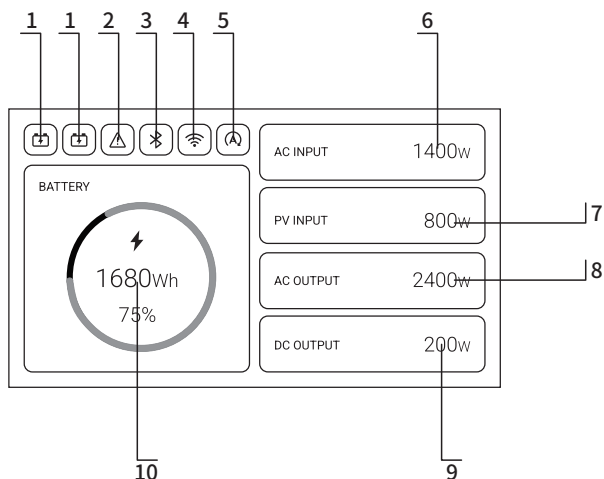
1. Ensure that the output port is open and the LED indicator on the power button is lit.
2. Check the LED battery display; if it is at 20% or below, please charge the product.
3. The power of the device you are using exceeds the maximum power supply capacity of the product's port.
4. The connection cable of the device you are using is not properly plugged in or has poor contact.

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LED Screen Instructions

The LED screen of this product displays the product usage status. When any function is activated, the screen will light up. When the screen display is not needed, you can press the button to turn off the LED screen.

1. Expansion pack
2. Overcharge alarm
3. Bluetooth status display
4. WIFI status display
5. Timing function*
6. AC charge Power
7. Solar charge power
8. AC output power
9. DC output power
10. Power display



Timing function*

Icon is on: If the user has set the "no-load shutdown", the AC will be automatically shut down after the time set by the user if it is forgotten to be turned off.

Icon is off: If the user has set the "AC output never to be shut down" setting, the AC output will not be automatically shut down until the product's battery is depleted.

APP Instructions

MARSTEK APP can connect to all your devices via Bluetooth or WI-FI, track your energy usage and production in real time, dynamically display the status data of your devices, and keep control of your device's energy in your own hands.

Download the app

- Android: Download via Google Play
- iOS: Download via App Store
- Download Link: <https://eu.hamedata.com/ems/apk/marstek/index.html>
- QR Code Download:



How to Use the App

- Scan the QR code to access the APP user guide.



Frequently Questions & Answers

Q:What is the battery type?

LiFePO4 Battery.

Q: Can the product be taken on the aircraft?

No, according to the airline transportation standards, 100Wh capacity of lithium battery can not board the aircraft.

Q: Can the station be charged with solar panels from a different brand?

Yes, it can. Please use solar panels that meet the following specifications for charging:

- Voltage range: 12-59V DC
- Rated output power: maximum 600W*2.

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Q: How to determine the current status of the product?

The LED display of this product can help you better understand the power source and monitor power consumption. The IN (input) end reflects the power when the product is charging. The OUT (output) end represents the real-time output power of the device you have plugged in. You can judge how long the product can work by the percentage of power on the display.

Warranty and Contact Information

This warranty covers defects in materials and workmanship under normal use of the product. The warranty described herein is the sole, exclusive and comprehensive warranty for this product. We do not authorise anyone else to provide additional warranties or assume any other liabilities.

Warranty period

The product warranty period is 5 years. In all cases, the warranty period starts from the date of purchase. Proof of purchase and other supporting documents, information, or verification may be required.

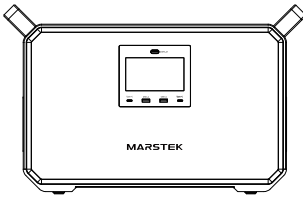
The following conditions are not covered under the warranty:

- 1.Damage to the product occurring after use, and any type of mechanical impact.
- 2.Unauthorised disassembly, modifications or repairs performed on the product.
- 3.Performance issues caused by misuse, abuse, or negligence.
- 4.Damage caused by humidity, contact with water or liquids, corrosive substances, excessive heat, or damage resulting from natural disasters, lightning, accidents, or other abnormal events.

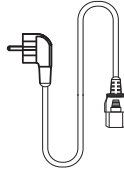
How to get the warranty service

You can contact our customer service through our official website or e-commerce platform. Thank you for your cooperation!

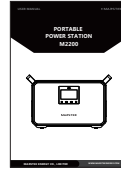
Packing List



M2200*1



AC Cable*1



User Manual*1



Warranty Card*1

Chemical Composition of Toxic and Harmful Substances

Part Name	Toxic and harmful substances or chemical elements					
	Pb	Hg	Cd	Cr(VI)	PBB	PBDE
Product shell	O	O	O	O	O	O
Circuit module	X	O	O	O	O	O
button	O	O	O	O	O	O
Small hardware	O	O	O	O	O	O
Charging Cable	O	O	O	O	O	O
Battery	O	O	O	O	O	O

O: The content of hazardous substances in homogeneous materials all components are limit requirement specified in GB-T 26572.

X: The content of hazardous substance in at least one of the average materials of the part exceeds the limit requirement of GB-T 26572, and there is no mature alternative in the industry at present, which meets the environmental protection requirements of the EU RoHS directive.

This information for reference purposes only and does not represent a binding agreement. Product (Color, Size, OSD, etc.) in kind prevail.

Important safety information

CORRECT DISPOSAL OF THIS PRODUCT



This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmental safe recycling.

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Warnings!

Please notice the following safety precautions carefully. If physical injury, loss of data, or damage is caused by failure to follow instructions, the warranty does not apply.

- To reduce the risk of injury, close supervision is necessary when the product is used near children.
- Do not put fingers or hands into the product.
- Use of an attachment not recommended or sold by the product manufacturer may result in a risk of fire, electric shock, or injury to persons.
- To reduce risk of damage to the electric plug and cord, pull the plug rather than the cord when disconnecting the product.
- Do not use the product in excess of its output rating. Overload outputs above the rating may result in a risk of fire or injury to persons.
- Do not use the product or attachment that is damaged or modified. Damaged or modified batteries may exhibit unpredictable behavior resulting in fire, explosion, or risk of injury.
- Do not operate the product with a damaged cord or plug, or a damaged output cable.
- Do not disassemble the product. Take it to a qualified service person when service or repair is required. Incorrect reassembly may result in a risk of fire or electric shock.
- Do not expose the product to fire or high temperatures. Exposure to fire or temperatures above 130°C may cause an explosion.
- To reduce the risk of electric shock, unplug the power pack from the outlet before attempting any instructed servicing.
- Have servicing performed by a qualified repair person using only identical replacement parts. This will ensure that the safety of the product is maintained.
- When charging a device, the product may feel warm. This is a normal operating condition and should not be a cause for concern.
- When charging the internal battery, work in a well-ventilated area and do not restrict ventilation in any way.
- Do not clean the product with harmful chemicals or detergents.
- Misuse, dropping, or excessive force may cause product damage.
- When disposing of secondary cells or batteries, keep cells or batteries of different electrochemical systems separate from each other.
- Do not use or store this product in direct sunlight for a long period, such as in a car, cargo bed, or any other place where it will be exposed to high temperatures. Doing so may cause the product to malfunction, deteriorate, or generate heat.
- Servicing of batteries should be performed or supervised by personnel knowledgeable about batteries and the required precautions.

- Do not use this product near strong static electricity or strong magnetic fields.
- Do not expose this product to flammable, explosive gas, or smoke.
- Do not stand on the product.
- Do not immerse the product in water. If the product accidentally falls into water, place it in a safe, open place and keep it away from fire until it is completely dry.
- Please deal with the scraps according to the regulations. For more details, please follow the local laws and regulations on battery recycling and disposal.



WEEE-Reg.-Nr.: 89860626