

MARBERO M822

MARBERO 200W Portable Power Station M822 User Manual

Model: M822 | Brand: MARBERO

INTRODUCTION

The MARBERO M822 Portable Power Station is a versatile and compact power solution designed for various applications, from outdoor adventures like camping to providing emergency backup power at home. With its upgraded capacity and multiple output ports, it ensures your essential devices remain powered wherever you are. This manual provides detailed instructions for setup, operation, maintenance, and troubleshooting to help you maximize your device's performance and longevity.

KEY FEATURES

- **Upgraded Portable Power:** Model M822 offers 146Wh (40,000mAh/3.7V) capacity and 200W output (270W MAX peak), supporting a wider range of appliances in a compact size (7.5*5.3*3.6 in, 3.3 lbs).
- **Multi-Output Ports:** Equipped with 2x USB A QC3.0 (18W), 2x USB A (15W Max), 1x PD USB Type C (18W PD), 1x DC 5.5mm port, and 2x AC wall sockets (200W/270W peak) for diverse charging needs.
- **Integrated LED Camping Lantern:** Features two LED flashlights; one on top with 2 brightness levels, and another on the side with 3 brightness levels and 3 lighting modes (steady, twinkling, SOS).
- **Three Recharging Methods:** Can be recharged via wall outlet (7hrs), car adapter (9hrs), or compatible solar panel (16.4V-24V/1.5A Max, not included).
- **Advanced Safety Features:** Secured with a Battery Management System (BMS) providing short-circuit, over-current, low-voltage, over-voltage, over-load, and over-temperature protection.

PRODUCT OVERVIEW

Familiarize yourself with the components and ports of your MARBERO M822 Portable Power Station.



Figure 1: Front view of the MARBERO M822 Portable Power Station, showing the AC outlets, USB ports, DC output, and LED display.

- **AC Outlets:** Two 110V AC outlets (200W, 270W peak) for standard electronic devices.
- **USB-A Ports:** Four USB-A ports, including two QC3.0 fast-charging ports, for smartphones, tablets, and other USB-powered devices.
- **USB-C PD Port:** One USB-C Power Delivery port for fast charging compatible devices like laptops and modern smartphones.
- **DC Output:** A 5.5mm DC output port for devices requiring DC power.
- **DC Input:** Located on the side, this port is used for charging the power station via wall adapter, car charger, or solar panel.
- **LED Display:** Shows battery level and active output indicators.
- **LED Flashlights:** Integrated lights on the top and side for illumination.
- **Carry Handle:** A sturdy handle for easy portability.

SETUP

Before first use, ensure your MARBERO M822 is fully charged. The unit arrives partially charged for safety during

transport.

1. **Unpacking:** Carefully remove the power station and all accessories from the packaging.
2. **Initial Charge:** Connect the included AC wall adapter to the DC input port on the side of the power station and plug it into a standard wall outlet. The battery indicator lights on the LED display will illuminate and show charging progress.
3. **Full Charge Indication:** The unit is fully charged when all battery indicator lights are solid. This typically takes about 7 hours.

CHARGING THE POWER STATION

Your MARBERO M822 offers three convenient ways to recharge:

1. AC Wall Outlet Charging

Use the provided AC wall adapter. Plug the adapter's DC connector into the "DC IN" port on the power station and the AC plug into a wall outlet. A full charge takes approximately 7 hours.



Figure 2: The power station being recharged using the standard AC wall adapter, typically taking 7-8 hours for a full charge.

2. Car Charger Charging

Connect the car charger adapter (included) to the "DC IN" port and plug it into your vehicle's 12V cigarette lighter socket. Charging time is approximately 9 hours.

3. Solar Panel Charging (Sold Separately)

For off-grid charging, connect a compatible solar panel (16.4V-24V/1.5A Max) to the "DC IN" port. Charging time varies depending on solar intensity and panel wattage. MARBERO offers compatible 30W and 60W solar panels.



Figure 3: The portable power station connected to a solar panel for eco-friendly recharging, ideal for outdoor use.

OPERATING INSTRUCTIONS

The MARBERO M822 is designed for user-friendly operation. Follow these steps to power your devices and utilize its features.

1. Powering On/Off

Press and hold the main power button (usually indicated by a power symbol) for a few seconds to turn the unit on or off.

The LED display will activate upon power-on.

2. Using AC Outlets

Press the "AC" button to activate the AC outlets. A corresponding indicator light will turn on. Plug your AC-powered devices into the outlets. Remember to turn off the AC output when not in use to conserve battery life.

3. Using USB and DC Outputs

The USB and DC output ports are typically active once the main power is on. Simply plug your USB or DC-powered devices into the appropriate ports. The QC3.0 and USB-C PD ports offer faster charging for compatible devices.



Figure 4: The power station in use, providing power to a laptop, smartphone, and drone, demonstrating its multi-output capabilities.

4. LED Flashlight Operation

The M822 features two LED flashlights. Press the dedicated flashlight button to cycle through brightness levels and SOS modes.

- **Top LED:** Offers 2 brightness levels.
- **Side LED:** Offers 3 brightness levels (constant) and 3 lighting modes (steady, twinkling, SOS).



Figure 5: The integrated LED camping lantern providing illumination in a dark environment, showcasing its multiple brightness and SOS modes.

For a visual guide on the product's features and usage, watch the official product video below:

Your browser does not support the video tag.

Video 1: Official product overview of the MARBERO M822 portable power station, demonstrating its features and functionality.

MAINTENANCE

- **Storage:** Store the power station in a cool, dry place away from direct sunlight and extreme temperatures. For long-term storage, charge the unit to 50-80% every 3-6 months to preserve battery health.
- **Cleaning:** Use a soft, dry cloth to clean the exterior. Do not use abrasive cleaners or immerse the unit in water.
- **Battery Health:** Avoid fully discharging the battery frequently. Regular partial discharges and recharges are healthier for lithium-ion batteries.

TROUBLESHOOTING

- **Unit Not Turning On:** Ensure the battery is charged. If not, connect it to a power source.
- **No Output from Ports:** Check if the specific output (AC, DC) is activated. Ensure the device you are trying to power is within the power station's wattage limits.
- **Overload Protection:** If an overload occurs, the unit may automatically shut down. Disconnect the overloaded device, wait a few minutes, and then restart the power station.
- **Overheating:** If the unit feels excessively hot, disconnect all devices and allow it to cool down in a well-ventilated area. The built-in over-temperature protection will prevent damage.

SPECIFICATIONS

Feature	Specification
Model Name	M822
Battery Capacity	146Wh (40,000mAh/3.7V)
AC Output	110V, 200W (270W Peak)
USB-A QC3.0 Output	2x (5V2A, 9V/2A, 12V/1.5A, 18W)
USB-A Output	2x (5V/2.1A, 15W Max)
USB-C PD Output	1x (5V/3A, 9V/2A, 12V/1.5A, 18W PD)
DC 5.5mm Output	1x Port
Charging Input	DC 16.8V/2.5A
Solar Input	16.4V-24V/1.5A Max
Dimensions	7.5"L x 5.3"W x 3.6"H
Weight	3.3 lbs
Material	ABS

WARRANTY & SUPPORT

For warranty information, technical support, or any inquiries regarding your MARBERO Portable Power Station, please refer to the contact details provided in your product packaging or visit the official MARBERO website. Keep your purchase receipt for warranty claims.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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