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› MARBERO Solar Generator 167Wh Camping Portable Power Station 200W Peak with Foldable Solar Panels 30W and 60W with AC Outlet 110V Multi-Port LED Flashlights for CPAP Home Camping

MARBERO M168

MARBERO Solar Generator & Portable Power Station User Manual

Model: M168

INTRODUCTION

Thank you for choosing the MARBERO Solar Generator and Portable Power Station. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your new power station and accompanying solar panels. Please read this manual thoroughly before use and retain it for future reference.



Image: The MARBERO M168 Portable Power Station, a compact black and orange unit, shown with a folded solar panel behind it, illustrating the complete solar generator system.

SAFETY INFORMATION

Always observe the following safety precautions to prevent injury or damage to the product:

- Do not disassemble, repair, or modify the unit. Incorrect reassembly may cause fire or electric shock.
- Do not place the unit near fire or expose it to heat.
- Do not use or store the unit in a bathroom or in an area exposed to rain or moisture.
- Use only the original or certified accessories.
- Do not drop, hit, or subject the unit to strong impacts.
- Keep out of reach of children.
- Ensure proper ventilation during use and charging. Do not cover the unit.
- If the unit emits smoke, strange odors, or any other abnormal phenomena, stop using it immediately and contact customer support.

PACKAGE CONTENTS

Please check to ensure all items are included in your package:

- MARBERO Portable Power Station (M168)
- Foldable Solar Panel (30W or 60W, depending on purchased bundle)

- AC Power Adapter
- User Manual (this document)
- LED Flashlights (integrated into power station)

PRODUCT OVERVIEW

The MARBERO M168 is a compact and lightweight portable power station designed for various applications, from camping to home backup. It features multiple output ports and can be recharged via AC, car, or solar power.

Key Features:

- **Capacity:** 167Wh (45,000mAh) Lithium-ion battery.
 - **AC Output:** 2 x 110V/60Hz AC ports, 100W continuous, 200W peak.
 - **USB Output:** 2 x USB-A ports (5V/3A, 9V/2A, 12V/1.5A QC18W), 1 x USB-C port (5V/3A, 9V/2A, 12V/1.5A PD18W).
 - **DC Output:** 2 x DC ports (12-16.8V/10A, Total 150W MAX).
 - **Integrated LED Flashlight:** For illumination in low-light conditions.
 - **Compact Design:** Dimensions approximately 8.3 x 3.5 x 7.5 inches, weighing 3.6 lbs.
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8 Output Ports

Fast Charging 8 Devices Simultaneously



2 * AC



2 * USB

5V-3.1A
QC3.0



1 * USB

5V/9V 2.1A



1 * USB-C

5V/9V 2.1A



2 * DC

12V~16.6V 10A
10A(13A MAX)



Image: A visual representation of the MARBERO M168 power station highlighting its 8 output ports, including AC, USB-A, USB-C, and DC, demonstrating its versatility for charging multiple devices simultaneously.

Pack and Go

Foldalbe Panel and Portable Power Station



MARBERO

Folded Size: 8.34*11.96*1.18inch

Unfolded Size: 25.43*11.96*0.78inch

Weight: 2.18lbs

Image: The MARBERO power station and a 30W foldable solar panel are displayed with their compact folded and extended unfolded dimensions, along with their lightweight specifications, emphasizing their portability.

SETUP

Initial Charging:

Before first use, it is recommended to fully charge the MARBERO power station. Use the included AC adapter to charge from a wall outlet. The display will indicate charging status.

Connecting Solar Panels:

1. Unfold the solar panel and place it in direct sunlight.
2. Adjust the panel's angle using its self-standing stand to maximize sun exposure.
3. Connect the solar panel's output cable to the DC input port on the MARBERO power station.
4. The power station's display will show the charging indicator when solar charging is active.



**Convenient to carry
Foldable & Compact**

Folded: 16.3 * 14.5 * 1.7 in

Unfolded: 50.1 * 16.3 * 0.9

Weight: 5.1lb

Image: A person hiking with a folded MARBERO 60W solar panel attached to their backpack, demonstrating the panel's compact and portable design for outdoor activities.

Adjustable Self-standing Stand

Designed to maximize sunlight utilization according to the position of the sun



Image: A person on a beach adjusting the integrated self-standing stand of a MARBERO foldable solar panel to optimize its position for maximum sunlight absorption, demonstrating ease of setup.

OPERATING INSTRUCTIONS

Turning On/Off:

Press and hold the main power button for a few seconds to turn the unit on or off. The LCD display will illuminate.

Using AC Output:

1. Ensure the power station is on.
2. Press the AC button to activate the AC outlets. The AC indicator on the display will light up.
3. Plug your AC-powered device into one of the 110V AC outlets.
4. After use, press the AC button again to turn off the AC output to conserve battery.

Using USB and DC Output:

The USB and DC ports are typically active once the power station is turned on. Simply plug your USB or DC-powered devices into the respective ports. No separate button press is usually required for these outputs.

Using the LED Flashlight:

Locate the flashlight button on the unit. Press it once for constant light, press again for SOS mode, and a third time for strobe mode. Press a fourth time to turn it off.

CHARGING METHODS

Your MARBERO power station can be recharged using three convenient methods:

1. **AC Wall Outlet:** Connect the included AC adapter to the power station's input port and plug it into a standard wall outlet. Full charge typically takes about 5 hours.
2. **12V Car Outlet:** Use a compatible car charger (not always included, check package) to charge the unit from your vehicle's 12V cigarette lighter port.
3. **Solar Panel:** Connect a MARBERO solar panel (15V-24V, 1.2A) to the DC input port. Charging time varies depending on sunlight intensity and panel wattage.

3 Ways to Recharge

Charge from **0-80%**



SOLAR PANEL
3 HRS



12V CAR OUTLET
3 HRS



WALL OUTLET
2 HRS



Image: An infographic illustrating the three primary methods for recharging the MARBERO power station: via solar panel, a 12V car outlet, and a standard wall outlet, with estimated charging times.

Ultra High Conversion Efficiency and High Output of 60W

Equipped with 4 single crystal solar panels, the conversion efficiency of sunlight can reach 23%.



- ★ High visible light transmittance
- ★ Excellent durability
- ★ With self-supporting stand
- ★ Easy to clean
- ★ Recyclable
- ★ Pollution prevention
- ★ Super long life

Image: The MARBERO 60W foldable solar panel is shown deployed in a camping setting, emphasizing its high conversion efficiency of up to 23% from sunlight, making it effective for outdoor power generation.

MAINTENANCE

- **Cleaning:** Use a dry, soft cloth to wipe the surface of the unit. Do not use harsh chemicals or abrasive materials.
- **Storage:** Store the unit in a cool, dry place away from direct sunlight and extreme temperatures. For long-term storage, recharge the unit every 3-6 months to maintain battery health.
- **Battery Care:** To prolong battery life, avoid fully discharging the unit frequently. It is best to recharge it when the battery level drops to around 20%.

TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Unit does not turn on.	Battery is completely discharged.	Charge the unit using the AC adapter.
AC output not working.	AC output not activated; device power exceeds 100W.	Press the AC button to activate. Check device wattage; use a lower power device.
Solar charging not working.	Insufficient sunlight; panel not connected properly; panel or cable damaged.	Ensure direct sunlight and correct angle. Check connections. Inspect panel and cable for damage.
Unit overheats.	Overload; poor ventilation.	Reduce load. Ensure unit is in a well-ventilated area and vents are not blocked.

SPECIFICATIONS

Feature	Detail
Brand	MARBERO
Model	M168
Capacity	167Wh (45,000mAh)
AC Output	110V/60Hz, 100W (Peak 200W)
USB-A Output	2 x QC18W (5V/3A, 9V/2A, 12V/1.5A)
USB-C Output	1 x PD18W (5V/3A, 9V/2A, 12V/1.5A)
DC Output	2 x 12-16.8V/10A (Total 150W MAX)
Charging Input (AC)	Via AC Adapter (approx. 5 hours)
Charging Input (Solar)	15V-24V, 1.2A
Dimensions (Power Station)	8.3 x 3.5 x 7.5 inches
Weight (Power Station)	3.6 lbs
Solar Panel (30W) Folded	8.3 x 11.9 x 1.2 inches
Solar Panel (30W) Unfolded	25.4 x 11.9 x 0.8 inches
Solar Panel (30W) Weight	2.18 lbs
Solar Panel (60W) Folded	16.3 x 14.5 x 1.7 inches
Solar Panel (60W) Unfolded	50.1 x 16.3 x 0.9 inches
Solar Panel (60W) Weight	5.1 lbs

WARRANTY AND SUPPORT

MARBERO products come with a standard warranty. For detailed warranty information, product support, or to purchase accessories, please visit the official MARBERO store or contact their customer service directly.

Official MARBERO Store: [MARBERO Store on Amazon](#)

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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.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

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.

Submit question