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MARBERO M168SL30

MARBERO M168SL30 Solar Generator User Manual

Model: M168SL30 | Brand: MARBERO

1. Introduction

Thank you for choosing the MARBERO M168SL30 Solar Generator. This portable power station, combined with its 30W foldable solar panel, provides a reliable and versatile power solution for various applications, including outdoor activities, camping, emergency backup, and home use during power outages. This manual provides essential information for safe operation, setup, maintenance, and troubleshooting.



Image: The MARBERO M168SL30 Portable Power Station with its accompanying 30W foldable solar panel.

2. Safety Instructions

To ensure safe operation and prolong the lifespan of your device, please read and adhere to the following safety guidelines:

- Do not disassemble, repair, or modify the unit. Incorrect reassembly may cause fire or electric shock.
- Keep the unit away from water, moisture, and high temperatures.
- Avoid dropping, impacting, or subjecting the unit to strong vibrations.
- Keep out of reach of children.
- Ensure proper ventilation during use and charging to prevent overheating.
- The unit features built-in safety protections including **Short Circuit Protection**, **Over Charge Protection**, **Overload Protection**, **Over-Voltage Protection**, and **Automatic Shut Down**.

3. Product Overview

The MARBERO M168SL30 consists of a portable power station and a foldable solar panel. The power station is designed for ease of use and portability, featuring multiple output ports to power various devices.

3.1 Power Station Components

- **Power Button:** Turns the unit on/off.
- **Display Screen:** Shows battery level, output status, and charging indicators.
- **AC Output Ports (x2):** 110V/60Hz, 100W rated, 200W peak.
- **USB Ports (x2):** 5V/3A, 9V/2A, 12V/1.5A (QC18W).
- **USB-C Port (x1):** 5V/3A, 9V/2A, 12V/1.5A (PD18W).
- **DC Output Ports (x2):** 12-16.8V/10A (Total 150W MAX).
- **LED Flashlight:** Integrated light with multiple modes.
- **DC Input Port:** For charging the power station.



Image: Detailed view of the 8 output ports on the MARBERO M168SL30 power station.

3.2 Portability and Design

The power station weighs 3.6 lbs and measures 8.3 x 3.5 x 7.5 inches, making it highly portable. The 30W foldable solar panel weighs 2.18 lbs and folds down to 8.3 x 11.9 x 1.2 inches for easy transport.



Image: A person carrying the lightweight MARBERO M168SL30 power station, demonstrating its portability.

4. Setup

4.1 Initial Charging

Before first use, fully charge the power station. Use the included AC adapter to charge from a wall outlet. This typically takes about 5 hours to reach full capacity.

4.2 Connecting the Solar Panel

To charge the power station using the 30W foldable solar panel:

1. Unfold the solar panel and position it directly towards the sun for maximum exposure.
2. Connect the solar panel's output cable to the DC input port on the power station.
3. The display screen on the power station will indicate that it is charging.

For a visual guide on setting up the solar generator, please refer to the official video below:

Video: An official demonstration of the MARBERO M168SL30 solar generator with its 30W solar panel, showing its components and basic setup.

5. Operating Instructions

5.1 Powering On/Off

Press and hold the power button for a few seconds to turn the unit on or off. The display screen will illuminate when the unit is active.

5.2 Using Output Ports

Once the power station is on, you can connect your devices to the desired output ports:

- **AC Outlets:** Plug in devices requiring 110V AC power. Ensure the device's wattage does not exceed 100W (200W peak).
- **USB & USB-C Ports:** Connect smartphones, tablets, and other USB-powered devices for fast charging.
- **DC Ports:** Use for devices compatible with 12-16.8V DC input, such as car refrigerators or portable fans.

5.3 LED Flashlight Operation

The integrated LED flashlight has three modes:

1. Press the flashlight button once for **Constant** illumination (up to 200 hours).
2. Press again for **Flash** mode (up to 100 hours).
3. Press a third time for **SOS** signal mode (up to 70 hours).
4. Press a fourth time to turn off the flashlight.



Image: Illustration of the MARBERO M168SL30's ultra-bright LED flashlight with its three operational modes: Constant, Flash, and SOS.

6. Charging Methods

The MARBERO M168SL30 offers flexible charging options to ensure you always have power when you need it.



Image: Visual representation of the three charging methods for the MARBERO M168SL30 power station.

6.1 AC Wall Outlet

Using the provided power adapter, connect the power station to a standard wall outlet. This method provides the fastest charge, typically reaching 0-80% in approximately 2 hours, and a full charge in about 5 hours.

6.2 12V Car Outlet

Recharge your power station on the go using the included cigarette lighter adapter. Charging from a 12V car outlet takes approximately 3 hours to reach 0-80%.

6.3 Solar Panel Charging

Connect the 30W foldable solar panel to the power station's DC input. Under optimal sunlight conditions, the solar panel can charge the unit from 0-80% in approximately 3 hours. Note that actual solar charging times may vary based on weather conditions, sunlight intensity, and panel positioning.

7. Maintenance

Proper maintenance ensures the longevity and optimal performance of your MARBERO M168SL30 Solar Generator.

7.1 Storage

If storing the unit for an extended period, it is suggested to charge it once every 3 months to maintain battery health. The unit can standby for over 6 months on a full charge.

7.2 Cleaning

Use a soft, dry cloth to clean the exterior of the power station and solar panel. Do not use abrasive cleaners or immerse the unit in water.



Image: An internal diagram of the MARBERO M168SL30, illustrating its durable construction and battery components, designed for a lifespan of over 10 years.

8. Troubleshooting

If you encounter issues with your MARBERO M168SL30, refer to the following common problems and solutions:

- **Unit not turning on:** Ensure the battery is charged. Connect to an AC outlet for a few minutes to see if it powers on.
- **Devices not charging from output ports:**
  - Check if the power station is turned on.
  - Verify that the specific output port (AC, USB, DC) is activated (some models may require a button press to enable outputs).
  - Ensure the device you are trying to charge is compatible with the port's voltage/wattage.
  - For AC output, confirm the connected appliance's wattage does not exceed the power station's 100W rated output (200W peak). High-wattage appliances like coffee makers or hot plates are generally not supported.
- **Solar panel not charging:**
  - Ensure the solar panel is positioned directly towards strong sunlight.
  - Check all cable connections between the solar panel and the power station.
  - Cloudy weather or indirect sunlight will significantly reduce charging efficiency.
- **Slow charging:** Charging speed can vary based on the input source (AC is fastest, solar depends on sunlight). Ensure you are using the correct adapter and cables.

If problems persist, please contact MARBERO customer support.

9. Specifications

Feature	Specification
Brand	MARBERO
Model Name	M168SL30
Battery Capacity	167Wh (45,000mAh)
AC Output	110V/60Hz, 100W (Peak 200W)
USB Output	2x QC18W (5V/3A, 9V/2A, 12V/1.5A)
USB-C Output	1x PD18W (5V/3A, 9V/2A, 12V/1.5A)
DC Output	2x 12-16.8V/10A (Total 150W MAX)
Total Power Outlets	7
Product Dimensions	6.6"L x 4.1"W x 3.7"H
Item Weight	3.6 lbs (Power Station), 2.18 lbs (Solar Panel)

Feature	Specification
Solar Panel Wattage	30W
Solar Panel Folded Size	8.3" x 11.9" x 1.2"
Solar Panel Unfolded Size	25.4" x 11.9" x 0.8"
Charging Methods	AC Wall Outlet, 12V Car Outlet, Solar Panel (15V-24V, 1.2A)
Included Components	Power Station, 30W Foldable Solar Panel, Power Adapter, Cigarette Lighter Adapter, User Manual

10. Warranty and Support

MARBERO products are designed for reliability and performance. For specific warranty details, please refer to the warranty card included with your product or visit the official MARBERO store.
For technical support, troubleshooting assistance, or any inquiries regarding your MARBERO M168SL30 Solar Generator, please contact MARBERO customer service through their official channels. You can find more information and contact details on the MARBERO Amazon Store.

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