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› MARBERO Solar Generator M188 with 60W Panel User Manual

MARBERO M188SL60

MARBERO Solar Generator M188 with 60W Panel User Manual

Model: M188SL60 | Brand: MARBERO

1. INTRODUCTION

Thank you for choosing the MARBERO Solar Generator M188 with 60W Portable Solar Panel. This comprehensive user manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your portable power station. Designed for versatility, this unit offers reliable power for outdoor adventures, home backup, and emergency situations.

2. SAFETY INSTRUCTIONS

Please read and understand all safety warnings and instructions before using this product. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- Do not disassemble, repair, or modify the unit.
- Do not expose the unit to fire or extreme temperatures.
- Avoid contact with water or other liquids. Do not operate in wet conditions.
- Keep out of reach of children and pets.
- Ensure proper ventilation during use and charging to prevent overheating.
- Use only approved accessories and charging cables.
- Store the unit in a cool, dry place away from direct sunlight.

3. PACKAGE CONTENTS

Verify that all items are included in your package:

- 1 x MARBERO M188SL60 Portable Power Station
- 1 x MARBERO Solar Panel 60W
- 1 x Power Adapter (AC Wall Charger)
- 1 x Cigarette Lighter Adapter (Car Charger)
- 1 x User Manual

4. PRODUCT FEATURES

The MARBERO Solar Generator M188 is equipped with advanced features for optimal performance and user convenience:

- **High Capacity Battery:** Features a 296Wh (80,000mAh) high-capacity battery.
- **Pure Sine Wave AC Output:** Delivers clean, stable AC power (300W continuous, 330W peak) suitable for sensitive electronics like laptops and medical devices.
- **Multi-Output Ports:** Includes 2 AC outlets (300W), 2 USB-A QC 3.0 ports (18W Max), 1 Standard USB-A port (15W Max), 1 USB-C PD port (18W Max), and 2 DC output ports (12-16.8V/10A, Total 150W Max).
- **Efficient Solar Charging:** The included 60W foldable solar panel boasts a conversion rate of 21.5-23.5% and a built-in smart chip for optimized charging.
- **Portable Design:** Compact size (9.09 x 4.01 x 8.38 inches) and lightweight (5.73 lbs) for easy transport.
- **Integrated LED Flashlight:** Features an ultra-bright LED flashlight with SOS and blinking modes for emergency use.

MULTI-OUTPUT BATTERY PACK



1*AC 2 prong
300W



1*AC 3 prong
300W



3*USB A
QC3.0 18W



1*USB C
PD 18W



1*DC
5525 standard



Figure 1: Multi-output battery pack with various charging options.

5. SETUP

Before first use, ensure the power station is fully charged.

1. **Unpack:** Carefully remove all components from the packaging.
2. **Initial Charge:** Connect the power station to an AC wall outlet using the provided power adapter. Allow approximately 7 hours for a full charge.
3. **Solar Panel Setup (Optional):** Unfold the 60W solar panel and position it in direct sunlight. Connect the solar panel to the DC input port on the power station. The display will indicate charging status.

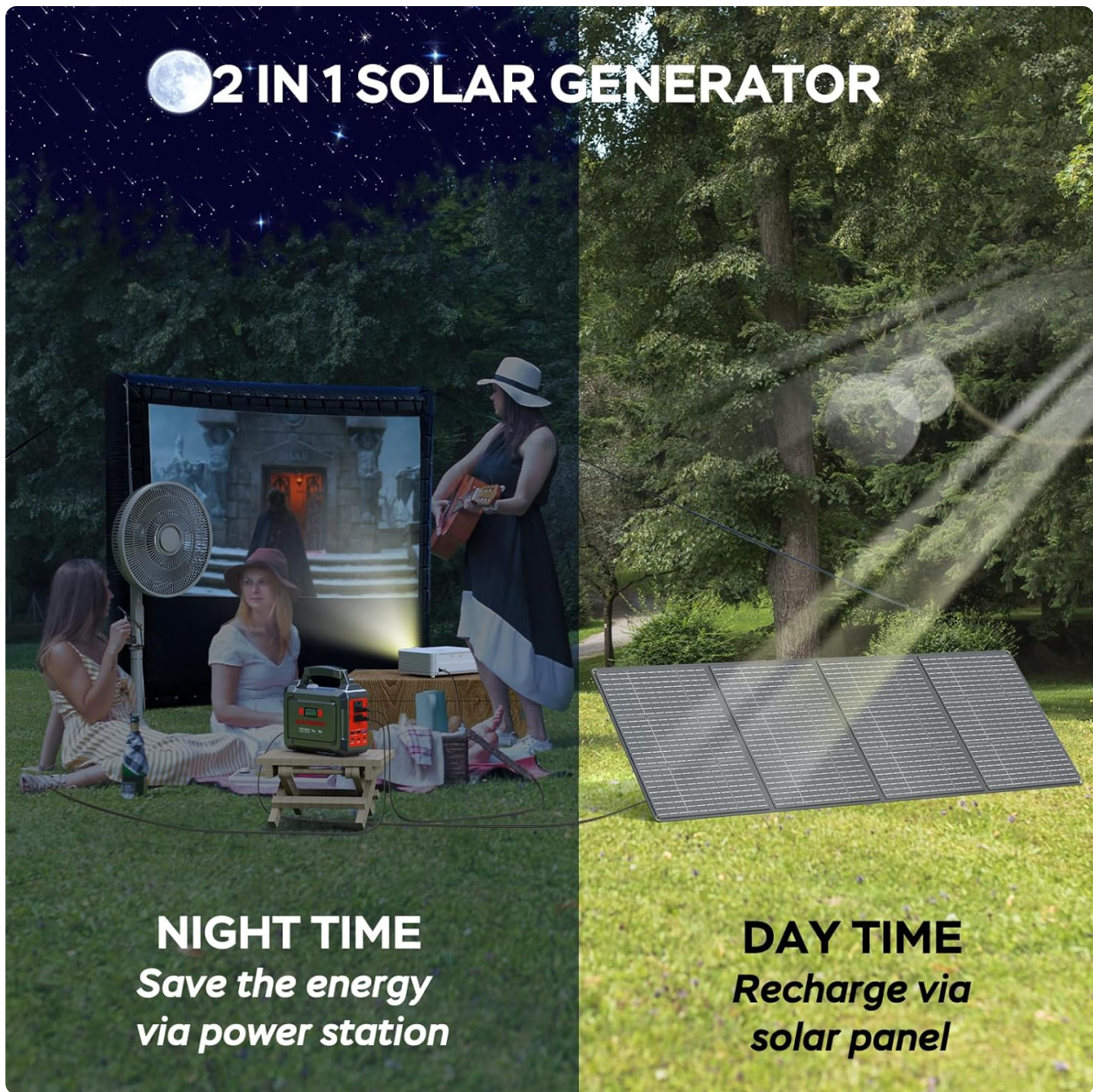


Figure 2: The solar generator can be charged by day and used to power devices by night.

6. OPERATING INSTRUCTIONS

To operate the MARBERO Solar Generator M188:

1. **Power On/Off:** Press and hold the main power button (usually marked with a power symbol) for a few seconds until the display illuminates. To turn off, press and hold the same button.
2. **Activate AC Outlets:** After powering on the unit, press and hold the AC button (if separate) to activate the AC output. A corresponding indicator on the display will confirm activation.
3. **Use USB/DC Ports:** USB and DC output ports are typically active once the unit is powered on. Simply connect your devices to the appropriate port.
4. **LED Flashlight:** Press and hold the flashlight button to turn it on. Press again to cycle through modes (e.g., steady, SOS, blinking). Press and hold to turn off.



Figure 3: Utilizing AC and DC ports for various devices.

7. CHARGING METHODS

Your MARBERO Solar Generator M188 can be recharged using three convenient methods:

- **AC Wall Outlet:** Plug the power station into a standard 110V AC socket using the provided power adapter. A full recharge takes approximately 7 hours.
- **Solar Panel:** Connect the MARBERO Solar Panel 60W to the power station's DC input. Place the solar panel in direct sunlight for efficient, renewable energy charging.
- **Car Charger:** Recharge on the go by plugging the power station into your vehicle's 12V cigarette lighter outlet using the provided adapter.

3 RECHARGING WAYS



Figure 4: Multiple options for recharging your power station.



Figure 5: The 60W solar panel offers high efficiency for charging.

8. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your power station:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the unit. Do not use abrasive cleaners or solvents.
- **Storage:** If storing for extended periods, charge the unit to 50-80% every 3 months to maintain battery health. Store in a cool, dry environment.
- **Temperature:** Avoid exposing the unit to extreme temperatures, both hot and cold, as this can degrade battery performance.
- **Ventilation:** Ensure ventilation openings are clear and unobstructed during use.

9. TROUBLESHOOTING

If you encounter issues with your MARBERO Solar Generator M188, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Unit does not power on.	Battery is depleted.	Charge the unit using an AC adapter, solar panel, or car charger.
AC output not working.	AC output not activated.	Press and hold the AC button to activate the AC output.
Device not charging via USB/DC.	Cable issue or device incompatibility.	Try a different cable or device. Ensure the device's power requirements are within the unit's output limits.
Solar panel not charging.	Insufficient sunlight or incorrect connection.	Ensure the solar panel is in direct sunlight and properly connected to the DC input. Clean the solar panel surface.
Unit overheats.	Poor ventilation or excessive load.	Ensure ventilation openings are clear. Reduce the number of connected devices or the power draw.

10. SPECIFICATIONS

Feature	Detail
Brand	MARBERO
Model Name	M188SL60
Battery Capacity	296Wh (80,000mAh)
AC Output	300W (330W Peak), Pure Sine Wave, 110V (AC), 60 Hz
USB-A QC 3.0 Output	2 Ports (5V/3A, 9V/2A, 12V/1.5A 18W Max)
Standard USB-A Output	1 Port (5V/2.1A 15W Max)
USB-C PD Output	1 Port (5V/3A, 9V/2A, 12V/1.5A 18W Max)
DC Output	2 Ports (12-16.8V/10A, Total 150W Max)
Solar Panel Power	60W
Solar Panel Efficiency	21.5-23.5%
Dimensions (L x W x H)	9.09" x 4.01" x 8.38"
Weight	5.73 lbs (Power Station) / 8.73 lbs (Total with panel)
Material	ABS
Battery Type	Lithium Ion

11. WARRANTY AND SUPPORT

MARBERO products are designed for reliability and performance. For specific warranty details and support inquiries, please refer to the warranty card included with your product or visit the official MARBERO website. Protection plans are available for purchase to extend coverage for your device.