VTOMAN PB-58

VTOMAN FlashSpeed 1500 Power Station User Manual

Model: PB-58

INTRODUCTION

The VTOMAN FlashSpeed 1500 Power Station is a versatile and high-capacity portable power solution designed for various applications, including home backup, outdoor adventures, and emergency power needs. With its 1548Wh capacity and 1500W (3000W Peak) output, it provides reliable power for a wide range of devices and appliances. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your FlashSpeed 1500 Power Station.

SAFETY INFORMATION

Always adhere to the following safety guidelines to prevent injury or damage to the device:

- Do not disassemble, repair, or modify the unit. Incorrect reassembly may cause fire or electric shock.
- Do not expose the unit to fire or extreme temperatures (above 60°C/140°F).
- Do not use or store the unit in a bathroom or in areas exposed to rain or moisture.
- Use only the recommended accessories and chargers.
- Keep the unit away from children and pets.
- Ensure proper ventilation during use and charging to prevent overheating.
- Avoid dropping, impacting, or subjecting the unit to strong vibrations.

PRODUCT OVERVIEW

The VTOMAN FlashSpeed 1500 features a robust design with multiple input and output ports to accommodate various charging and powering needs. It is equipped with a clear display for monitoring battery status and power consumption.

Figure 1: Front view of the VTOMAN FlashSpeed 1500 Power Station, showing the display, AC outlets, USB ports, and DC output.

Figure 2: Dimensions of the FlashSpeed 1500, measuring approximately 15.6 inches in length, 10.49 inches in width, and 11 inches in height.
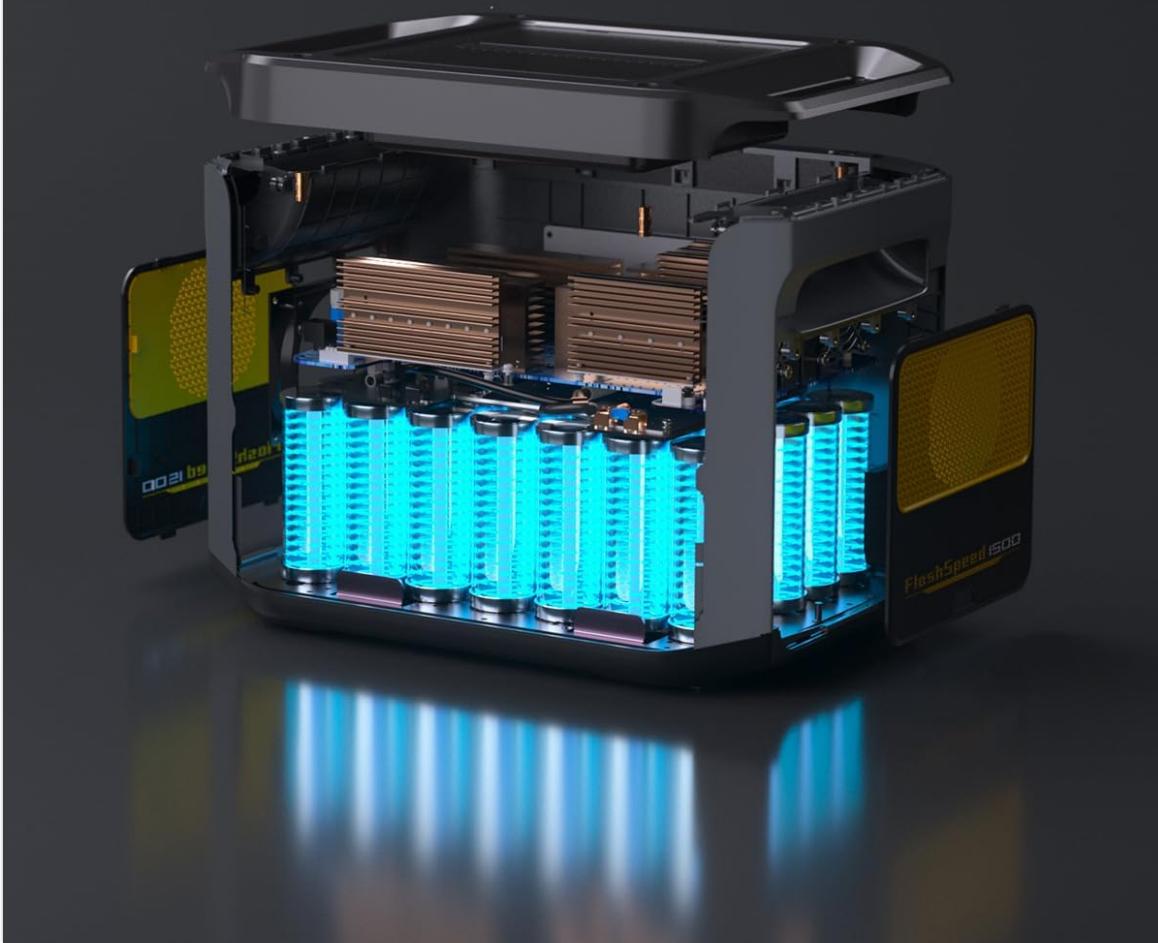
Figure 3: Internal view highlighting the durable LiFePO4 batteries, designed for over 3000 cycles to 80% capacity.

SETUP

Before first use, ensure your FlashSpeed 1500 Power Station is fully charged.

Initial Charging

The FlashSpeed 1500 can be charged rapidly via a wall outlet, reaching 0-100% in just one hour. It also supports solar and car charging.

Figure 4: The power station connected to a wall outlet for ultra-fast 1500W AC charging, completing a full charge in approximately one hour.

Expanding Capacity

The 1548Wh capacity can be expanded to 3096Wh by connecting an additional VTOMAN FlashSpeed Extra Battery (sold separately).

Figure 5: The FlashSpeed 1500 with an optional extra battery unit, demonstrating how the capacity can be expanded.

OPERATING INSTRUCTIONS

Charging Methods

The FlashSpeed 1500 offers flexible charging options:

- **Wall Outlet (AC Input):** Recharges to full in 1 hour (90-140V / 1500W Max).
- **Solar Panel (Anderson Input):** Recharges to full in 4-8 hours with a 400W solar panel (30-80V / 400W Max).
- **Car Charger (DC Input):** Recharges to full in 7-8 hours (12-20V / 200W Max).

It supports simultaneous charging from up to 3 input ports, with a total maximum input power of 2100W.

Powering Devices

The unit can charge up to 12 devices simultaneously through various ports:

- **AC Outlets (x3):** 110V/1500W, Pure Sine Wave.
- **USB-C Output (x2):** 100W Max each, 200W total.
- **USB-A Output (x4):** 1x 18W Quick Charge + 3x 5V/2.4A ports.
- **DC Output (x2):** 12V/10A DC5521 Port.
- **DC Output (x1):** 12V/10A Car Cigarette Lighter Port.

Figure 6: Detailed diagram of all available output ports and their maximum power specifications.

Special Features

- **V-Beyond Technology:** Enables the power station to handle resistance loads up to 3000W, such as electric drills and welding machines, while maintaining stable power for low-wattage devices.

Figure 7: Demonstrating the V-Beyond technology, allowing the FlashSpeed 1500 to power high-wattage resistive loads like an oven.

- **Uninterrupted Power Supply (UPS):** Provides a switchover time of less than 20ms, ensuring continuous power for critical devices during blackouts.
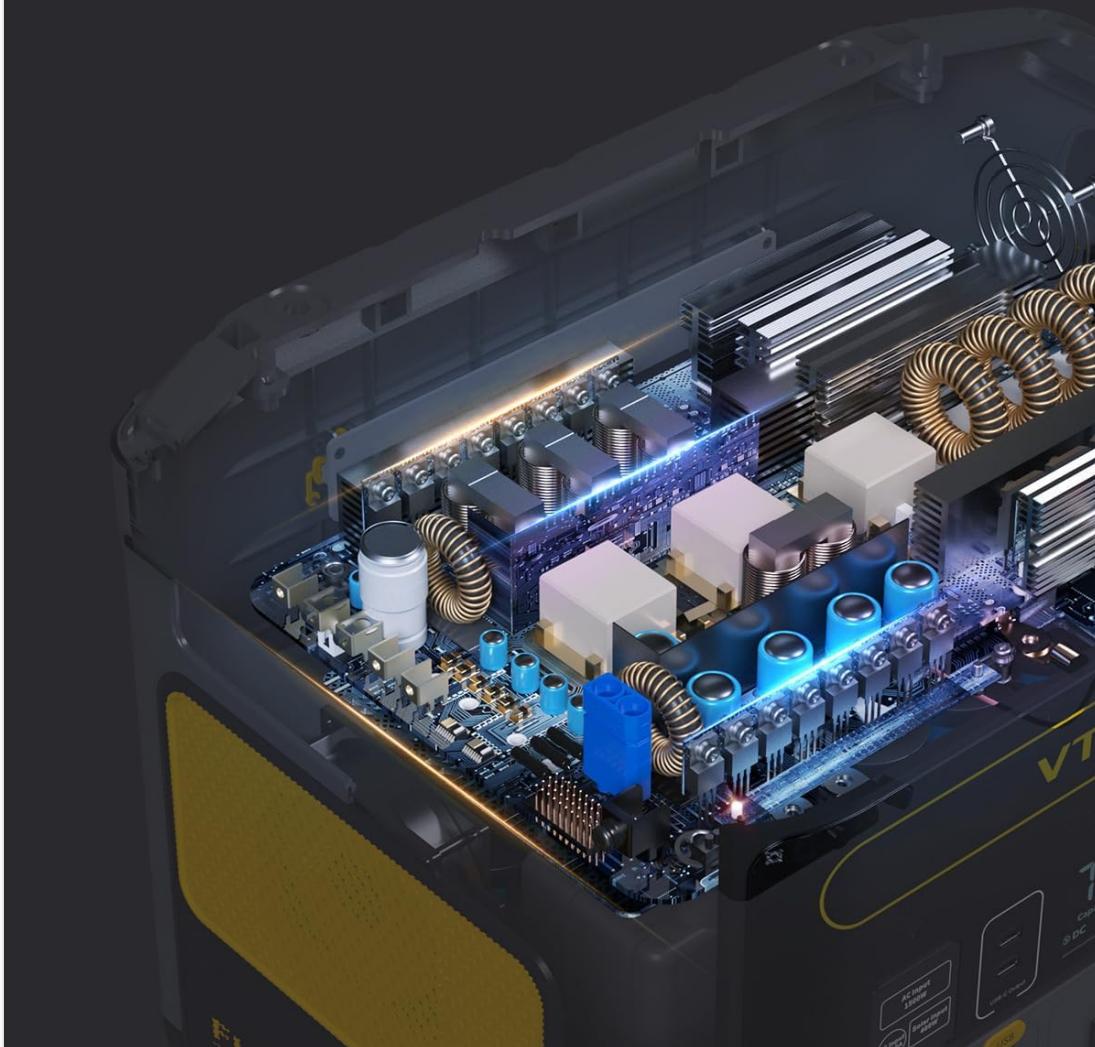
Figure 8: The power station providing uninterrupted power supply to a computer setup, ensuring no disruption during power fluctuations.

- **Car Jump Starter Function:** Equipped with a 12V high-power car jump starter, capable of starting various gasoline and diesel engines. (Jumper cables available individually).
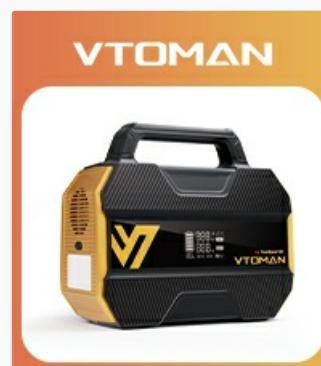
Figure 9: The FlashSpeed 1500 being used to jump-start a car, highlighting its vehicle starting capability.

Official Product Videos

VTOMAN FlashSpeed 300 Portable Power Station Overview

Your browser does not support the video tag.

Description: This video provides an overview of the VTOMAN FlashSpeed 300 Portable Power Station, showcasing its features and uses. While a different model, it demonstrates the general functionality and design principles of VTOMAN power stations.

VTOMAN FlashSpeed 1000 Portable Power Station Features

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Description: Explore the key features of the VTOMAN FlashSpeed 1000 Portable Power Station in this video. It highlights various aspects of the FlashSpeed series, relevant to the 1500 model's operation.

VTOMAN FlashSpeed 300 Portable Power Station Demonstration

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Description: This video provides a brief demonstration of the VTOMAN FlashSpeed 300 Portable Power Station, illustrating its compact size and ease of use for various power needs.

MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your FlashSpeed 1500 Power Station.

- **Battery Care:** The unit uses durable LiFePO4 batteries, designed for over 3000 charge cycles to 80% capacity. For best battery health, avoid prolonged storage at 0% or 100% charge. Recharge the unit every 3-6 months if not in regular use.
- **Cleaning:** Use a dry, soft cloth to clean the exterior of the unit. Do not use abrasive cleaners or solvents. Ensure all ports are free of dust and debris.
- **Storage:** Store the power station in a cool, dry place, away from direct sunlight and extreme temperatures.

Figure 10: An illustration of the internal LiFeBMS (Battery Management System) which ensures safety and extends battery life to over 10 years with 3000+ safe cycles.

TROUBLESHOOTING

If you encounter issues with your FlashSpeed 1500, refer to the following common problems and solutions:

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Unit not turning on	Battery depleted; Power button not pressed correctly.	Charge the unit; Press and hold the power button for 3-5 seconds.
AC output not working	AC output not enabled; Overload protection activated.	Ensure AC button is pressed; Reduce connected load; Restart unit.
Slow charging via solar	Insufficient sunlight; Solar panel not optimally positioned; Panel dirty.	Ensure direct sunlight; Adjust panel angle; Clean panel surface.
Unit overheating	Poor ventilation; Excessive load.	Ensure clear vents; Reduce load; Allow unit to cool down.

SPECIFICATIONS

Feature	Detail
Brand	VTOMAN
Model Name	PB-58
Wattage	1500 watts (Running), 3000 watts (Peak)
Battery Capacity	1548Wh (Expandable to 3096Wh)
Battery Type	LiFePO4
AC Output Voltage	110 Volts (AC)
Charging Time (Wall)	1 Hour (0-100%)
Product Dimensions	15.6"L x 10.49"W x 11"H
Item Weight	1 pounds *(Note: This value appears to be a data entry error and is likely incorrect for a power station of this capacity.)*
Special Features	Durable LFP Batteries, One Hour to Full Charge, Uninterrupted Power Supply (UPS)

WARRANTY AND SUPPORT

VTOMAN offers a comprehensive warranty and dedicated customer support for your FlashSpeed 1500 Power Station.

- **Warranty:** The product typically comes with a 24-month protection plan. Please refer to your purchase documentation for specific warranty terms and conditions.
- **Returns:** 30-Day Easy Returns are generally available.
- **Customer Service:** For assistance, technical support, or warranty claims, please contact

Documents - VTOMAN – PB-58
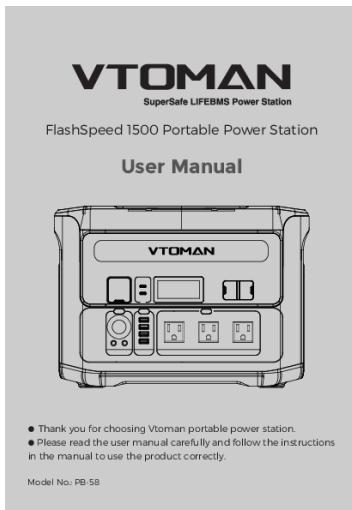
[pdf] User Manual Instructions Frequently Asked Questions Troubleshooting Guide Specifications Dimension Guide Guide Warranty

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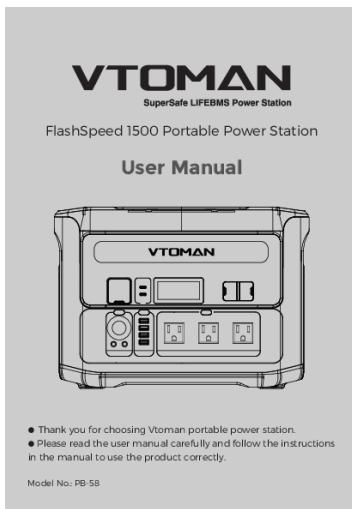
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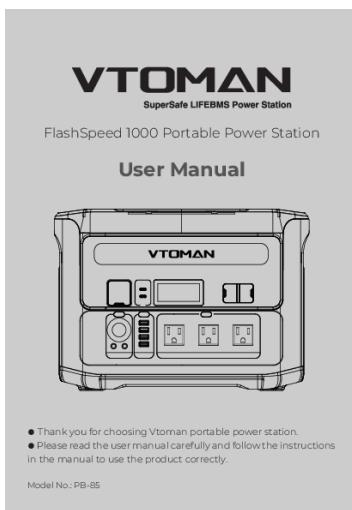
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PB58款欧规五国说明书，LOGO：VTOAMN，型号：FlashSpeed 1500，容量:1548WH，装马钉装，128G铜版,单黑，143*210MM ,符合ROHS

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