VTOMAN FlashSpeed 1000

VTOMAN FlashSpeed 1000 Portable Power Station User Manual

Model: FlashSpeed 1000 (PB-85)

1. Introduction

Thank you for choosing the VTOMAN FlashSpeed 1000 Portable Power Station with 200W Solar Panel. This powerful and versatile LiFePO4 solar generator is designed to provide reliable power for a wide range of applications, from emergency home backup to outdoor adventures. With its robust 828Wh capacity, 1000W (2000W peak) output, and advanced features like UPS functionality and vehicle jump-start capability, the FlashSpeed 1000 ensures you stay powered wherever you are.

This manual provides essential information on setting up, operating, and maintaining your power station to ensure optimal performance and longevity. Please read it thoroughly before use.



Figure 1.1: VTOMAN FlashSpeed 1000 Portable Power Station with 200W Solar Panel.

2. What's in the Box

Your VTOMAN FlashSpeed 1000 package includes the following components:

- 1x FlashSpeed 1000 Portable Power Station
- 1x VS200 Solar Panel
- 1x AC Charging Cable
- 1x USB-A to USB-C Cable
- 1x USB-C to USB-C Cable
- 1x User Manual

Note: Jumper cables for the car jump start function are available individually and may not be included in all packages.



Figure 2.1: Visual representation of included items and power station dimensions.

3. Product Overview

3.1 Key Features

- **828Wh LiFePO4 Battery:** Durable and long-lasting with over 3000 cycles.
- **1000W AC Output (2000W Peak):** Powers a wide range of appliances.
- **Fast Charging:** Reaches 80% in 1 hour, full charge in 70 minutes via 700W AC input.
- **14 Output Ports:** Includes AC, USB-A, Type-C, DC, Car Port, Jumper Cable Port, and Extended-Battery port.
- **12V Car Jump Starter:** Capable of starting gasoline engines and diesel engines up to 10.0L.
- **UPS Function:** Provides uninterrupted power for critical devices during outages.
- **Expandable Capacity:** Can be expanded up to 2376Wh with an additional battery (sold separately).
- **Built-in Storage:** Convenient compartment for cables and adapters.
- **5-Model LED Light:** Provides illumination with low, middle, high, flash, and SOS modes.
- **IP67 Waterproof Solar Panel:** The VS200 solar panel is designed for outdoor use in various conditions.

3.2 Ports and Indicators

The FlashSpeed 1000 features a comprehensive array of input and output ports to meet diverse power needs. The front panel includes a clear LCD display showing battery percentage, input/output wattage, and remaining runtime.



Figure 3.1: The FlashSpeed 1000 powering multiple devices simultaneously.



Figure 3.2: The durable LiFePO4 battery and SuperSafe LiFeBMS for enhanced safety and longevity.

4. Setup

4.1 Initial Charging

Before first use, fully charge your FlashSpeed 1000. Connect the provided AC charging cable to the power station's AC input port and then to a standard wall outlet. The LCD display will indicate the charging status. A full charge typically takes about 70 minutes.

4.2 Solar Panel Setup (VS200)

To charge your power station using the VS200 solar panel:

1. Unfold the VS200 solar panel and position it in direct sunlight.
2. Extend the adjustable kickstand to angle the panel towards the sun for maximum efficiency.
3. Take out the MC4 ports located behind your solar panel.
4. Use an extension cable to connect the MC4 ports to the XT60/Anderson/DC5521 solar charging cable converter.

5. Plug the solar charging cable converter into the XT60/Anderson/DC5521 port on your portable power station.

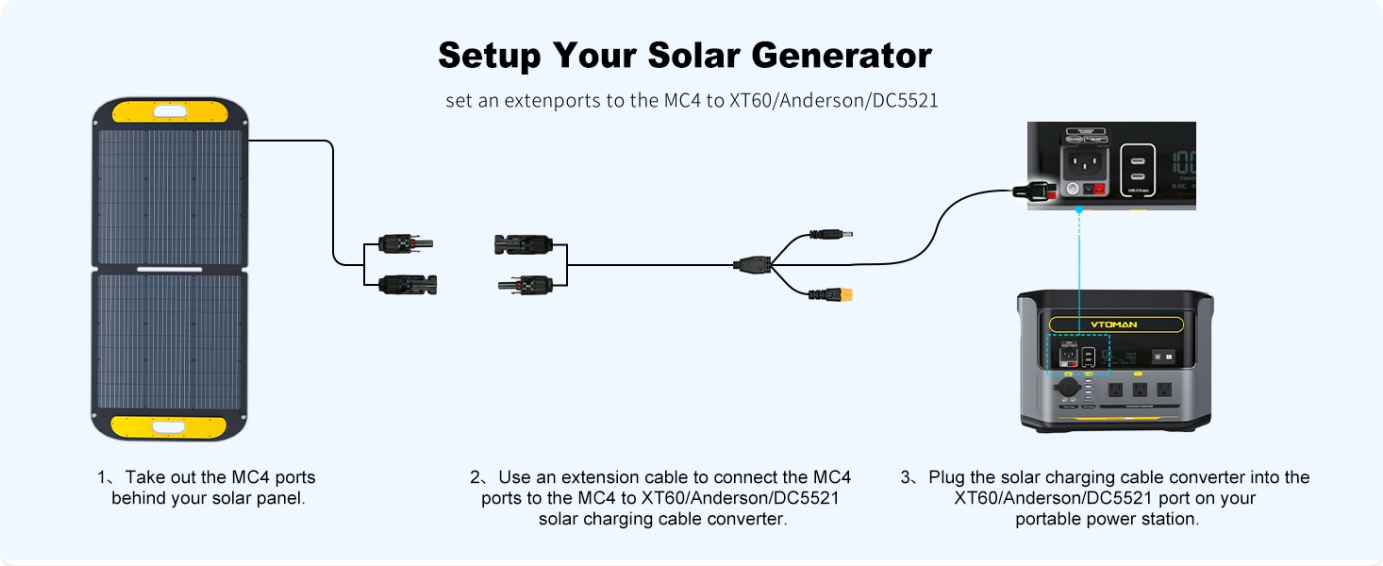


Figure 4.1: Step-by-step guide for connecting the solar panel to the power station.

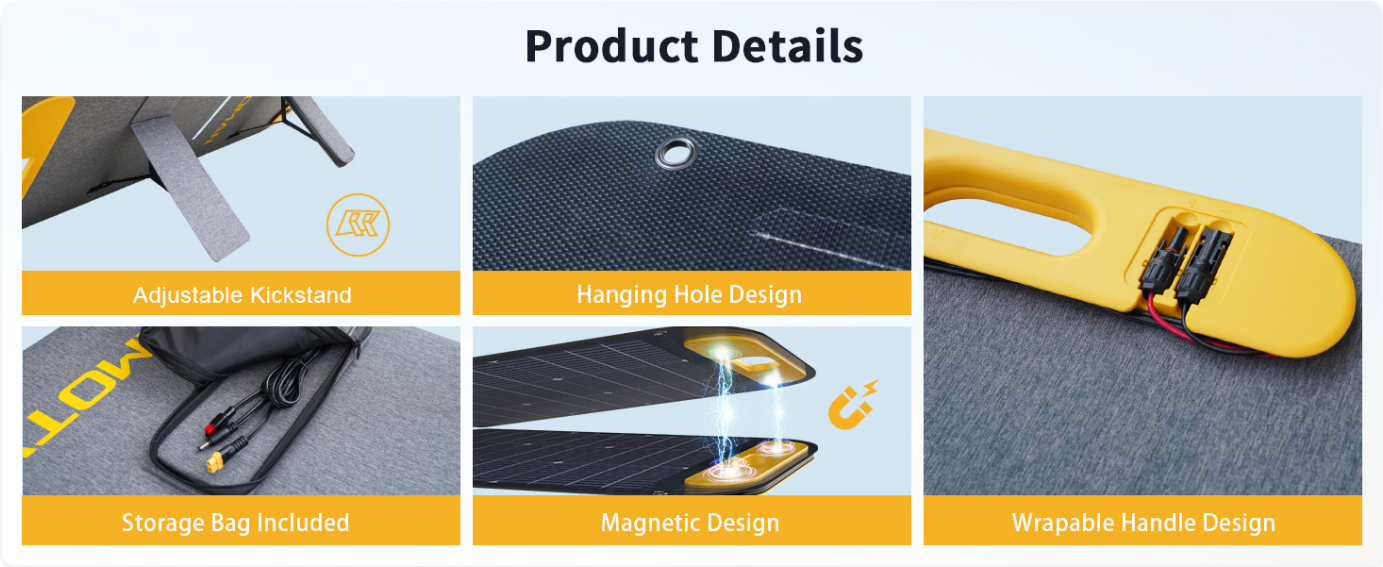


Figure 4.2: The VS200 solar panel features IP67 waterproofing for durability in outdoor conditions.



Figure 4.3: The solar panel is portable and foldable for easy transport.

5. Operating Instructions

5.1 Charging Methods

The FlashSpeed 1000 offers multiple charging options:

- **AC Charging:** Connect to a wall socket using the provided AC cable. Supports up to 700W input for rapid charging.
- **Car Charging:** Use a 12V/24V 10A car lighter adapter (not included) to charge while traveling.
- **Solar Charging:** Connect the VS200 solar panel for up to 300W solar input.



Figure 5.1: Overview of the three primary charging methods.



Figure 5.2: Fast AC charging allows 80% charge in just 60 minutes.



Figure 5.3: Convenient 12V car charging while driving.



Figure 5.4: Solar charging provides clean and quiet power in 4-6 hours.

5.2 Powering Devices

Simply plug your devices into the appropriate output ports (AC, USB-A, Type-C, DC, Car Port). Ensure the device's power requirements do not exceed the FlashSpeed 1000's output capacity (1000W continuous, 2000W peak).

The power station supports **Pass-Through Charging**, allowing you to charge the power station itself while simultaneously powering up to 12 devices.



Figure 5.5: Powering various devices for outdoor activities.

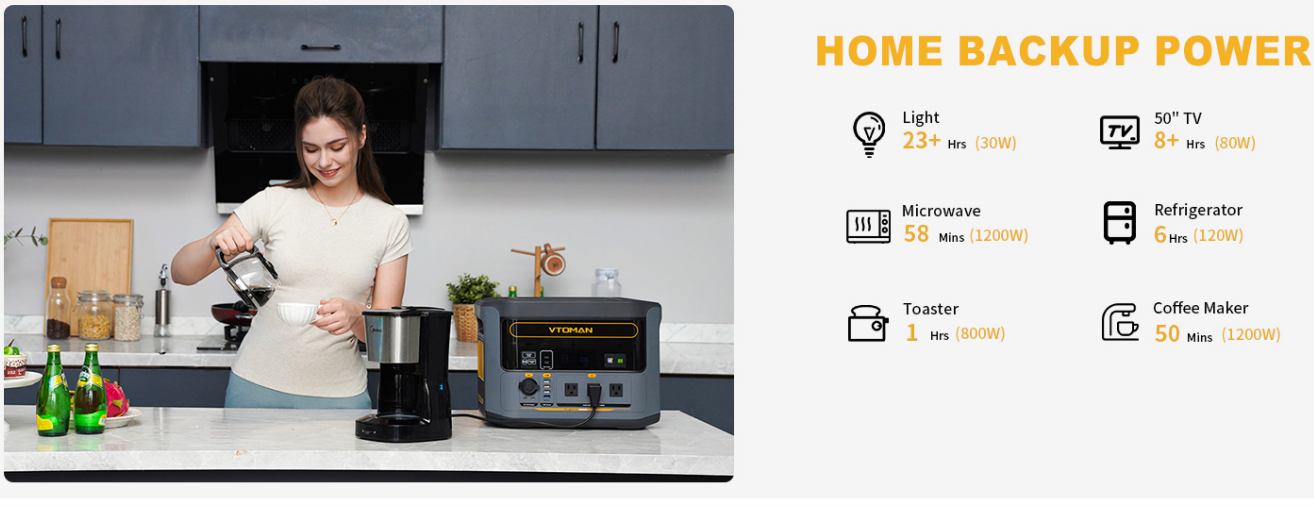


Figure 5.6: Utilizing the FlashSpeed 1000 for home backup power.

5.3 UPS Function

The Uninterruptible Power Supply (UPS) function provides seamless power transfer in case of an outage. Connect your critical devices (e.g., CPAP machines, aquariums, computers) to the FlashSpeed 1000 while it is connected to AC power. If the main power supply is interrupted, the power station will automatically switch to battery power within 20ms, ensuring continuous operation.



Figure 5.7: Seamless UPS transfer for uninterrupted power.

5.4 Vehicle Jump Start Function

The FlashSpeed 1000 can jump-start unresponsive vehicles. Ensure the power station has sufficient charge. Connect the appropriate jumper cables (sold separately) to the power station's dedicated Jumper Cable Port and then to your vehicle's battery terminals according to the jumper cable instructions. The power station can start all gasoline engines and diesel engines up to 10.0L.



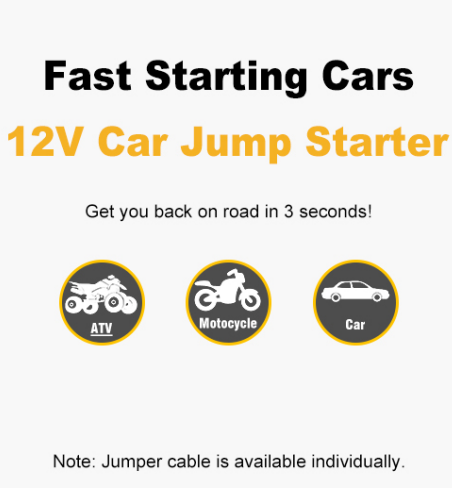


Figure 5.8: Using the FlashSpeed 1000 for vehicle jump starting.

5.5 Expandable Capacity

For extended power needs, the FlashSpeed 1000's capacity can be expanded up to 2376Wh by connecting an additional FlashSpeed 1500 Extra Battery (sold separately). Refer to the extra battery's manual for connection instructions.



Figure 5.9: Expanding the power station's capacity with an add-on battery.

5.6 LED Light Function

The built-in LED light offers five modes: Low, Middle, High, Flash, and SOS. Press the light button to cycle through the modes. This feature is useful for illumination during power outages or outdoor activities.

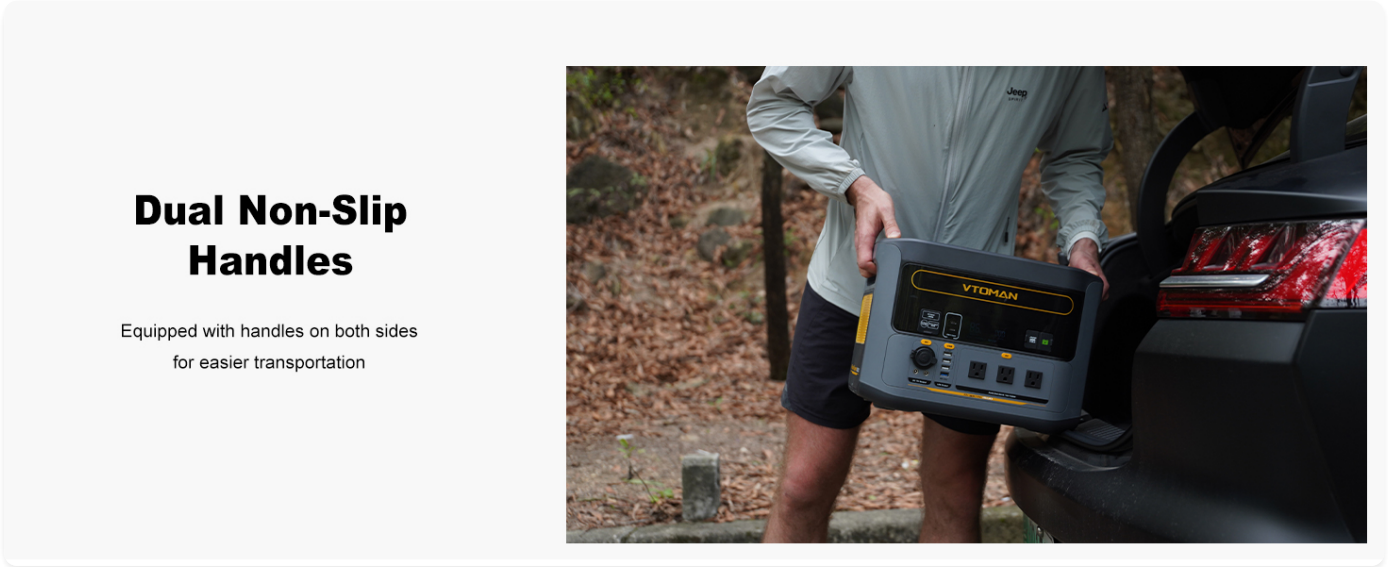


Figure 5.10: The 5-model LED light provides versatile illumination.

5.7 Integrated Storage

The FlashSpeed 1000 features a built-in storage compartment for convenient organization of cables and small accessories. This helps keep your setup tidy and ensures essential items are always at hand.



Figure 5.11: The neat organized storage compartment for cables.

6. Maintenance

To ensure the longevity and optimal performance of your VTOMAN FlashSpeed 1000:

- **Storage:** Store the power station in a cool, dry place away from direct sunlight and extreme temperatures.
- **Charging Frequency:** For long-term storage, charge the unit to 50-80% every 3-6 months to maintain battery health.
- **Cleaning:** Use a dry, soft cloth to clean the exterior. Do not use abrasive cleaners or immerse the unit in water.
- **Ventilation:** Ensure the ventilation openings are clear of obstructions during use to prevent overheating.

7. Troubleshooting

If you encounter issues with your FlashSpeed 1000, please refer to the following common troubleshooting steps:

- **Unit Not Turning On:** Ensure the battery is charged. If not, connect to an AC outlet for charging.
- **No Output from Ports:** Check if the specific output (AC, DC, USB) is enabled. Some outputs may have individual power buttons. Verify the device connected is within the power station's output limits.
- **Slow Charging:** Ensure you are using the original charging cables. For solar charging, verify the solar panel is in direct sunlight and properly angled. Check cable connections.
- **Overload Protection:** If the unit shuts down, it may be due to an overload. Disconnect some devices and restart the power station.
- **Display Issues:** If the display is unresponsive or blank, try restarting the unit. If the problem persists, contact customer support.

For more complex issues or if troubleshooting steps do not resolve the problem, please contact VTOMAN customer support.

8. Specifications

Feature	Specification
Brand	VTOMAN
Model Name	FlashSpeed 1000 (PB-85)
Battery Type	LiFePO4
Capacity	828Wh
AC Output	1000W (2000W Peak)
AC Input (Charging)	700W Max

Feature	Specification
Solar Input	300W Max
USB-A Output	4 ports (5V/2.4A, Quick Charge)
USB-C Output	2 ports (100W PD)
DC Output	2 ports
Car Port Output	1 port (12V)
Jump Start Function	12V Car Jump Starter (up to 10.0L gasoline/diesel engines)
UPS Switchover Time	<20ms
Weight	32 Pounds
Dimensions (L x W x H)	15.5" x 11" x 10.6" (approximate)

9. Warranty & Support

VTOMAN offers a worry-free warranty for your FlashSpeed 1000 Portable Power Station:

- **24-Month Protection:** Enjoy a 24-month warranty period from the date of purchase.
- **30-Day Easy Returns:** If you are not satisfied, you can return the product within 30 days for an easy return process.

For assistance, technical support, or warranty claims, please contact VTOMAN customer service:

Email: service.us@vtoman.com

Rest assured, our products are returnable and we provide ongoing support to ensure your satisfaction.



Figure 9.1: VTOMAN's commitment to customer satisfaction and product support.

10. Product Videos

Watch the official product video for a visual guide to the VTOMAN FlashSpeed 1000 Portable Power Station's features and capabilities.



Video 10.1: Official VTOMAN FlashSpeed 1000 Portable Power Station overview. This video demonstrates the power station's design, various ports, fast charging capabilities, and its use in different scenarios like camping and home backup.

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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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