

VTOMAN PB-81

VTOMAN FlashSpeed 1500 Extra Battery User Manual

Model: PB-81

1. INTRODUCTION

The VTOMAN FlashSpeed 1500 Extra Battery is designed to expand the battery capacity of compatible VTOMAN FlashSpeed portable power stations. This extra battery is specifically engineered to work with the FlashSpeed 600, FlashSpeed 1000, and FlashSpeed 1500 models, significantly increasing their total energy storage for extended use during camping, home backup, or other off-grid applications. It features a durable LiFePO4 battery chemistry with an integrated Battery Management System (BMS) for enhanced safety and longevity.

2. PACKAGE CONTENTS

Please verify that all items listed below are included in your package. If any items are missing or damaged, please contact VTOMAN customer support.

- 1x VTOMAN FlashSpeed 1500 Extra Battery
- 1x CP3500 Connecting Cable
- 1x User Manual

PACKAGE LIST



**FlashSpeed 1500
Extra Battery**



CP3500 Connection Cable



User Manual

Image: The package contents including the FlashSpeed 1500 Extra Battery, CP3500 Connecting Cable, and User Manual.

3. PRODUCT OVERVIEW

The FlashSpeed 1500 Extra Battery is designed for seamless integration with your VTOMAN FlashSpeed portable power station. Its robust construction and advanced battery technology ensure reliable performance.



Image: A detailed view of the VTOMAN FlashSpeed 1500 Extra Battery, showcasing its compact and durable design.

MINIMALIST DESIGN



Image: This diagram highlights the minimalist design, pointing out the Battery Indicator, Power Button, and CP3500 Connecting Port on the extra battery unit.

Key Features:

- **1548Wh Large Capacity:** Provides substantial additional power for extended operation.
- **LiFePO4 Battery:** Offers a long lifespan of 3000+ full cycles to 80% capacity, superior safety, and durability compared to NCM batteries.

- **BMS Protection:** Built-in Battery Management System ensures multiple protections including over-charge, over-discharge, over-voltage, and short-circuit protection.
- **Compatibility:** Exclusively designed for VTOMAN FlashSpeed 600, FlashSpeed 1000, and FlashSpeed 1500 portable power stations.

SUPERSAFE LIFEPO4 BATTERY

3000+ CYCLES TO 80%

3000 LIFE CYCLES +



Image: An X-ray view illustrating the internal structure and arrangement of the LiFePO4 battery cells, emphasizing the robust design and 3000+ cycle life.

4. SETUP

The FlashSpeed 1500 Extra Battery cannot be used as a standalone power source. It must be connected to a compatible VTOMAN FlashSpeed portable power station to function.

Connecting the Extra Battery:

1. Ensure both the FlashSpeed 1500 Extra Battery and your FlashSpeed portable power station are powered off before connecting.
2. Locate the CP3500 connecting port on both the extra battery and the portable power station.
3. Use the provided CP3500 Connecting Cable to securely link the extra battery to the portable power station. Ensure the connection is firm to prevent accidental disconnection.
4. Once connected, you can power on your FlashSpeed portable power station. The extra battery's capacity will now be integrated with the main unit.

WORK FOR FLASHSPEED 1500

3096Wh

1548Wh



Image: The FlashSpeed 1500 Extra Battery shown connected to a FlashSpeed 1500 portable power station, illustrating how the combined capacity reaches 3096Wh.



Image: The extra battery and power station set up on a beach, demonstrating a typical outdoor use case.

5. OPERATING INSTRUCTIONS

Once connected to a compatible FlashSpeed portable power station, the extra battery functions as an extension of the main unit's power supply. All power output and input operations are managed through the main power station.

Capacity Expansion:

- **FlashSpeed 600:** Expands from 499Wh to 2047Wh.
- **FlashSpeed 1000:** Expands from 828Wh to 2376Wh.
- **FlashSpeed 1500:** Expands from 1548Wh to 3096Wh.

Important Note: The FlashSpeed 1500 Extra Battery cannot be used independently. It requires connection to a VTOMAN FlashSpeed 600, 1000, or 1500 portable power station to operate.

6. CHARGING INSTRUCTIONS

The extra battery is charged simultaneously with the main portable power station when they are connected. It cannot be charged separately.

Recharging Process:

1. Ensure the FlashSpeed 1500 Extra Battery is properly connected to your FlashSpeed portable power station using the CP3500 cable.
2. Connect the main portable power station to a power source using one of the available charging methods (e.g., wall charger, solar panel, car charger).
3. The main power station will manage the charging of both its internal battery and the connected extra battery. Monitor the charging status on the main power station's display.



Image: The extra battery and power station connected and charging from a standard wall outlet in a home environment.



Image: The extra battery and power station connected and charging via solar panels in a desert landscape, demonstrating off-grid charging capability.

7. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your FlashSpeed 1500 Extra Battery.

- **Storage:** Store the battery in a cool, dry place away from direct sunlight and extreme temperatures. For long-term storage, ensure the battery is charged to approximately 50-80% capacity.
- **Cleaning:** Use a soft, dry cloth to clean the exterior of the battery. Do not use abrasive cleaners or immerse the unit in water.
- **Usage Environment:** Avoid operating the battery in excessively dusty, humid, or corrosive environments.
- **Regular Check:** Periodically inspect the CP3500 connecting cable and ports for any signs of wear or damage.

8. TROUBLESHOOTING

If you encounter issues with your FlashSpeed 1500 Extra Battery, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Extra battery not recognized by power station.	Loose CP3500 cable connection; incompatible power station model.	Ensure the CP3500 cable is securely connected to both units. Verify your power station is a VTOMAN FlashSpeed 600, 1000, or 1500.
Extra battery not charging.	Not connected to main power station; main power station not charging.	Confirm the extra battery is connected to the main power station. Ensure the main power station is properly connected to a power source and is actively charging.
Battery indicator not lighting up.	Battery is off; low battery charge.	Press the power button on the extra battery. If connected to the main power station, ensure the main unit is powered on and charging.

For issues not covered here, please consult the user manual of your specific FlashSpeed portable power station or

contact VTOMAN customer support.

9. SPECIFICATIONS

Detailed technical specifications for the VTOMAN FlashSpeed 1500 Extra Battery:

Feature	Specification
Model Name	FlashSpeed 1500 Extra Battery
Item Model Number	PB-81
Battery Type	LiFePO4
Capacity	1548Wh
Lifespan	3000+ cycles to 80% original capacity
Voltage	110 Volts (when connected to power station)
Wattage	1500 watts (when connected to power station)
Item Weight	27.9 pounds
Product Dimensions (L x W x H)	16.14 x 11.81 x 9.84 inches
Color	Yellow
Special Features	Durable LiFePO4 battery, BMS Protection

10. WARRANTY AND SUPPORT

Warranty Information:

The VTOMAN FlashSpeed 1500 Extra Battery comes with a **2-Year Warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.

Customer Support:

For technical assistance, troubleshooting, or warranty inquiries, please contact VTOMAN customer support. You can typically find contact information on the official VTOMAN website or through the retailer where you purchased the product. For purchases made on Amazon, you may contact the seller directly via their Amazon store page: [VTOMAN-US Seller Page](#).

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