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VTOMAN FlashSpeed 600

VTOMAN FlashSpeed 600 Portable Power Station User Manual

Model: FlashSpeed 600

INTRODUCTION

The VTOMAN FlashSpeed 600 is a portable power station designed to provide reliable power for various applications, including outdoor activities, emergency backup, and remote work. Featuring a durable LiFePO4 battery with over 3000 life cycles, it offers a 499Wh capacity and 600W output (1200W peak). This manual provides essential information for safe and efficient operation of your device.

PACKAGE CONTENTS

Please check the package for the following items:

- 1x VTOMAN FlashSpeed 600 Portable Power Station
- 1x AC Adapter & Charging Cable
- 1x Vehicle Cigarette Lighter Cable
- 1x USB-C to USB-C Cable
- 1x USB-A to Type-C Cable
- 1x User Manual



Image: Diagram showing the VTOMAN FlashSpeed 600 and its included accessories: AC adapter, car charging cable, USB-C to USB-C cable, USB-A to Type-C cable, and user manual.

PRODUCT OVERVIEW

The FlashSpeed 600 features a robust design with multiple ports for versatile power delivery. Its compact size and integrated handles ensure effortless mobility.



Image: Front view of the VTOMAN FlashSpeed 600 Portable Power Station, showcasing its display screen, AC outlets, USB ports, DC output, and car socket.

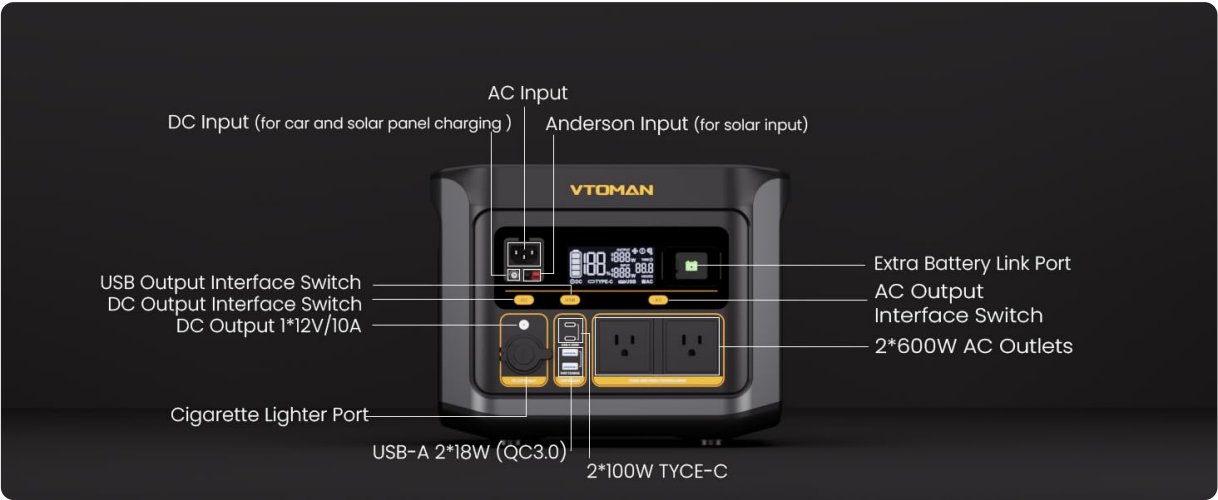


Image: Detailed diagram highlighting all input and output ports on the VTOMAN FlashSpeed 600, including AC input, DC input, solar input, USB-C, USB-A, DC output, car socket, and extra battery link port.

Key Features:

- **LiFePO4 Battery:** Over 3000 charge cycles for extended lifespan.
- **SuperSafe LifeBMS Protection:** Offers 10 types of protection including over-charge, over-discharge, over-voltage, over-current, and short-circuit.
- **V-BEYOND Technology:** Enables the 600W pure sine wave inverter to power devices up to 1200W.
- **Multiple Output Ports:** 2*AC, 2*USB-A (QC3.0), 2*USB-C (100W), 1*DC, 1*Car socket, 1*Extra Battery link port.
- **Fast Charging:** AC charging to 100% in 70 minutes.
- **Expandable Capacity:** Connects to FlashSpeed 1500 extra battery (sold separately) for up to 2047Wh.
- **Integrated Storage:** Top storage box keeps cables tidy.
- **LED Light:** 5-mode LED light for various lighting needs.

SETUP


Before initial use, fully charge your FlashSpeed 600 Portable Power Station. Connect the provided AC adapter and charging cable to a wall outlet and the AC input port on the power station. The display will indicate charging status.

CHARGING THE POWER STATION


The FlashSpeed 600 offers three primary charging methods:

- **AC Charging:** Connect the AC adapter to a standard wall outlet. The power station can reach 100% charge in approximately 70 minutes (up to 400W).
- **Solar Charging:** Connect a compatible 200W solar panel (10-50V) to the solar input port. The device can charge to 80% in about 2-4 hours, depending on sunlight conditions.
- **Car Charging:** Use the provided vehicle cigarette lighter cable to charge the power station from your car's 10-20V outlet. This method charges to 80% in approximately 3.5 hours.


3-Way To Recharge



AC Charging (100-130V)
About **60mins** to 80%



Solar Charging
(12-50V, up to 200W)
About **2~4** hours to 80%



Car Charging (10-20V, 10A)
About **3.5** hours to 80%

Image: Illustration showing the three charging methods for the VTOMAN FlashSpeed 600: AC wall outlet, solar panels, and car charging.

OPERATING THE POWER STATION

To use the output ports, press the corresponding power button for AC, DC, or USB outputs. The display will show real-time power consumption and remaining battery life.

V-BEYOND Technology:

This technology allows the 600W pure sine wave inverter to safely power devices requiring up to 1200W. This is particularly useful for appliances with high startup power demands.



Image: Diagram illustrating the V-BEYOND technology, showing various appliances (light, electric blanket, home TV, CPAP) and their estimated runtimes with the FlashSpeed 600.

UPS Mode (Uninterruptible Power Supply):

For continuous power to essential devices, connect the FlashSpeed 600 to a wall outlet via the AC charging cable. Then, connect your devices to the AC output ports of the power station. In case of a power outage, the power station will seamlessly switch to battery power within 20ms, ensuring uninterrupted operation for connected devices like fish tanks, CPAP machines, or Wi-Fi routers.



Uninterruptible Power Supply Seamless UPS Transfel

If the power goes out, you won't know,
There's less than 20mS of switchover time



Fish Tank



CPAP



Wi-Fi Router

Image: Illustration of the UPS mode, showing the power station connected to a wall outlet and powering a computer setup, with icons for devices like fish tanks, CPAP, and Wi-Fi routers.

5-Mode LED Light:

The power station includes a built-in LED light with five modes: Low, Middle, High, Strobe, and SOS. Press the light button to cycle through modes and turn off the light.

5-Model LED Light

Lighting up the night, whether outdoors or during a power outage, with reliable brilliance.



Image: Icons representing the five modes of the LED light (Low, Middle, High, Strobe, SOS) and a scene showing the power station providing light during an outdoor activity.

EXPANDABLE CAPACITY

The FlashSpeed 600's capacity can be expanded by connecting a FlashSpeed 1500 extra battery (sold separately). This allows you to increase the total capacity up to 2047Wh, providing longer runtime for your devices.

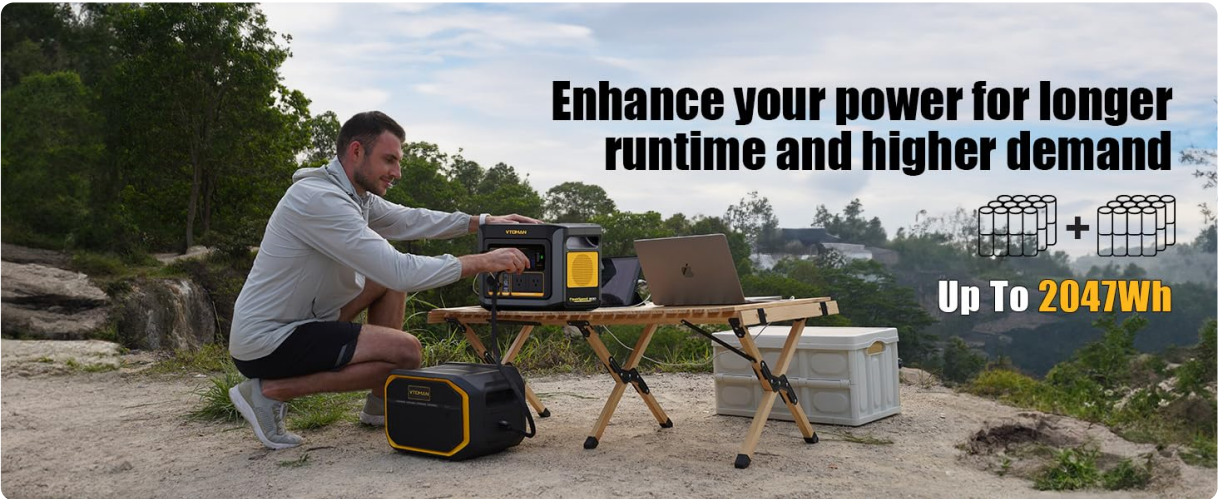


Image: Illustration showing the VTOMAN FlashSpeed 600 connected to an extra battery unit, demonstrating the expandable capacity feature.

SPECIFICATIONS

Feature	Detail
Brand	VTOMAN
Model Name	PB-86
Battery Capacity	499Wh
Battery Type	LiFePO4
Cycle Life	3000+ cycles to 80%
AC Output	600W (1200W Peak) Pure Sine Wave
USB-A Output	QC3.0 (18W)

USB-C Output	PD 100W
DC Output	12V/10A
Car Socket Output	12V/10A
AC Input (Charging)	Up to 400W (70 mins to 100%)
Solar Input	200W (10-50V, 2-4 hours to 80%)
Car Input	10-20V (3.5 hours to 80%)
Item Weight	7.2 kg (16.4 lbs)
Product Dimensions	12.4"L x 7.9"W x 9.6"H

MAINTENANCE

- **Storage:** Store the power station in a cool, dry place away from direct sunlight and extreme temperatures.
- **Charging:** For optimal battery health, fully charge the device every 3-6 months, even if not in use.
- **Cleaning:** Use a dry, soft cloth to clean the exterior. Avoid using harsh chemicals or abrasive materials.
- **Avoid Overload:** Do not exceed the rated output power of 600W (or 1200W with V-BEYOND technology) to prevent damage.

TROUBLESHOOTING

- **No Power Output:** Ensure the power station is turned on and the specific output port (AC, DC, USB) is activated. Check the battery level on the display.
- **Slow Charging:** Verify that the charging cable and adapter are correctly connected. For solar charging, ensure the solar panel is receiving direct sunlight and is free from obstructions.
- **Overload Protection:** If the power station shuts down unexpectedly, it may be due to an overload. Disconnect some devices and restart the unit.

WARRANTY & SUPPORT

The VTOMAN FlashSpeed 600 Portable Power Station comes with a **24-month warranty**. For technical support, warranty claims, or any inquiries, please refer to the contact information provided in your user manual or visit the official VTOMAN website.

OFFICIAL PRODUCT VIDEOS

VTOMAN FlashSpeed 600 Portable Power Station Overview

Video: An official overview of the VTOMAN FlashSpeed 600 Portable Power Station, showcasing its design, features, and various ports. This video provides a general introduction to the product's capabilities.







VTOMAN FlashSpeed 600 Review

Video: A detailed review of the VTOMAN FlashSpeed 600, demonstrating its functionality and performance in various scenarios. This video highlights user experience and practical applications.

VTOMAN FlashSpeed 600 Portable Power Station Review

Video: Another review of the VTOMAN FlashSpeed 600 Portable Power Station, focusing on its portability, charging capabilities, and overall value. This video offers additional insights into the product's features.

Related Documents - FlashSpeed 600

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