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FF FLASHFISH S25

Flashfish S25 Portable Power Station User Manual

Model: S25

Introduction

The Flashfish S25 Portable Power Station 2000W is a versatile and reliable power solution designed for various applications, including emergency home backup, outdoor adventures, and commercial use. It features a powerful 2000W AC output (4000W peak) and a substantial 1997Wh capacity, ensuring your devices stay powered wherever you are. Equipped with advanced LiFePO4 battery technology, the S25 offers exceptional durability and safety.



Figure 1: Front view of the Flashfish S25 Portable Power Station, showcasing its compact design and control panel.

What's in the Box

Please check the package contents upon unboxing to ensure all items are present:

- Flashfish S25 2000W Power Station
- AC Charging Cable
- User Manual

Important Safety Instructions

To ensure safe operation and prolong the lifespan of your Flashfish S25, please adhere to the following safety guidelines:

- **Read the Manual:** Always read the entire user manual before operating the device.
- **Avoid Water:** Do not expose the power station to water, rain, or moisture. Keep it away from liquids.
- **Ventilation:** Operate the unit in a well-ventilated area. Do not block ventilation openings.
- **Temperature:** Avoid extreme temperatures. Do not expose to direct sunlight for prolonged periods or store in very hot/cold environments.
- **Disassembly:** Do not attempt to disassemble, repair, or modify the unit. Refer all servicing to qualified personnel.
- **Proper Disposal:** Dispose of the unit and its battery according to local regulations. Do not dispose of in household waste.

- **Children and Pets:** Keep the device out of reach of children and pets.
- **Charging:** Use only the provided AC charging cable or approved charging methods (solar, car) as specified in this manual.

Setup

Initial Charging

Before first use, it is recommended to fully charge the Flashfish S25. Connect the provided AC charging cable to the AC input port on the power station and then to a standard wall outlet. The digital display will indicate the charging status. A full charge takes approximately 1.8 hours with AC fast charging.



Figure 2: The Flashfish S25 charging rapidly via its 1600W AC input, demonstrating its quick recharge capability.

Placement

Place the power station on a stable, flat surface. Ensure there is adequate space around the unit for proper ventilation to prevent overheating.

Operating Instructions

Turning On/Off

Press and hold the main power button for a few seconds to turn the unit on or off. The digital display will illuminate.

Using Outputs

The Flashfish S25 offers multiple output ports for various devices:

- **AC Outputs:** For household appliances (e.g., coffee makers, blenders). Press the AC button to activate.
- **USB-A & Type-C Outputs:** For charging smartphones, tablets, laptops, and other USB-powered devices. These ports are typically always active when the unit is on.
- **DC Outputs & Car Socket:** For 12V DC devices. Press the DC button to activate.



Figure 3: Overview of the Flashfish S25's versatile output options, including AC, USB, DC, and car socket, demonstrating its utility for various devices.



Figure 4: The Flashfish S25 providing power to common household appliances, illustrating its 1997Wh/2000W capacity.

Charging the Power Station

The Flashfish S25 can be recharged using multiple methods:

- **AC Wall Outlet:** Connect the AC charging cable to a wall outlet. Supports up to 1600W fast charging.
- **Solar Panels:** Connect compatible solar panels (not included) to the solar input port. The S25 supports up to 800W solar input.
- **Car Charger:** Use a car charging cable (not included) to charge from your vehicle's 12V outlet.



Figure 5: The Flashfish S25 connected to solar panels for charging, demonstrating its solar input capability up to 800W.

UPS Functionality

The Flashfish S25 features an Uninterruptible Power Supply (UPS) function. When connected to an AC wall outlet and simultaneously powering devices, it can automatically switch to battery power within 20ms in case of a power outage, providing seamless backup power for sensitive electronics.



Figure 6: The Flashfish S25 acting as a UPS, providing uninterrupted power to a computer during a simulated power failure, showcasing its pure sine wave output.

LED Light

The integrated LED light has three modes: highlight, semi-bright, and SOS flash. Press the light button to cycle through the modes.

Maintenance

Cleaning

Wipe the exterior of the unit with a soft, dry cloth. Do not use abrasive cleaners or solvents. Ensure all ports are free of dust and debris.

Storage

When storing the Flashfish S25 for extended periods, ensure it is charged to approximately 50-80% capacity. Recharge the unit every 3-6 months to maintain battery health. Store in a cool, dry place away from direct sunlight and extreme

temperatures.

Battery Care

The Flashfish S25 uses a durable LiFePO4 battery, designed for over 3000 charge cycles while retaining 80% of its original capacity. Regular charging and proper storage will maximize its lifespan.



Figure 7: An illustration of the Flashfish S25's internal LiFePO4 battery structure, emphasizing its long lifespan of over 3000 cycles.

Troubleshooting

Problem	Possible Cause	Solution
Unit does not turn on.	Battery is depleted.	Charge the power station using the AC charging cable.

Problem	Possible Cause	Solution
No output from AC/DC/USB ports.	Output port not activated or overloaded.	Ensure the respective AC/DC button is pressed. Check if the device connected exceeds the power station's output limit. Disconnect and reconnect.
Slow charging.	Using a low-power charging method (e.g., car charger) or environmental factors.	Use the AC fast charging cable for quickest recharge. Ensure solar panels are optimally positioned if charging via solar.
Overload warning on display.	Connected device draws too much power.	Disconnect the high-power device. Restart the power station. Ensure total wattage of connected devices is within the S25's limits (2000W continuous, 4000W peak).

Specifications

Model Number	S25
Brand	FF FLASHFISH
Capacity	1997 Wh
AC Output Power	2000 W (Pure Sine Wave, 4000 W Peak)
Voltage	230 Volts (AC)
Battery Type	LiFePO4 (Lithium Iron Phosphate)
Cycle Life	3000+ cycles to 80% capacity
AC Fast Charging Input	Up to 1600 W (Full charge in approx. 1.8 hours)
Solar Charging Input	Up to 800 W
USB-A Outputs	2 x USB-A1 (up to 24W), 2 x USB-A2 (5V/2.6A)
Type-C Outputs	2 x Type-C (up to 100W max.)
DC Outputs	2 x DC 13.6V/3A, 1 x 13.6V/10A Car Socket
Dimensions (L x W x H)	40.2 x 23.1 x 30 cm (15.8 x 9.1 x 11.8 inches)
Weight	19.5 kg (43 lbs)
Special Features	Extra long runtime, Digital display, Portable, Short circuit protection, Intelligent BMS, UPS function
Recommended Uses	Residential, Camping, Commercial

Warranty and Support

The Flashfish S25 Portable Power Station is covered by a standard manufacturer's warranty. For detailed warranty terms,

registration, or technical support, please refer to the warranty card included in your package or visit the official FF FLASHFISH website. Please have your model number (S25) and purchase information ready when contacting support. For any issues not covered in the troubleshooting section, or for further assistance, please contact Flashfish customer service.

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