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EF ECOFLOW DELTA 3 1500+D3 Zusatzakku

EcoFlow DELTA 3 1500 Portable Power Station User Manual

Model: DELTA 3 1500+D3 Zusatzakku | Brand: EF ECOFLOW

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your EcoFlow DELTA 3 1500 Portable Power Station with Smart Extra Battery. Please read this manual thoroughly before using the product and retain it for future reference.

The EcoFlow DELTA 3 1500 is a high-capacity portable power station designed to provide reliable power for various applications, including home backup, outdoor activities, and emergency situations. It features a durable LiFePO4 (LFP) battery, fast charging capabilities, and the ability to power a wide range of appliances.



Figure 1: EcoFlow DELTA 3 1500 Portable Power Station with Smart Extra Battery. This image shows the main unit stacked with its smart extra battery, displaying the screen interface and various ports.

2. SAFETY INSTRUCTIONS

Always observe the following safety precautions to prevent injury or damage to the product:

- Do not disassemble, repair, or modify the unit. Incorrect reassembly may cause fire or electric shock.
- Do not place the unit near heat sources or in direct sunlight.
- Do not use non-EcoFlow components or accessories.
- Keep the unit dry and away from water.
- Ensure proper ventilation during use to prevent overheating.
- Keep out of reach of children and pets.

3. PACKAGE CONTENTS

Verify that all items are included in your package:

- EcoFlow DELTA 3 1500 Portable Power Station
- DELTA 3 Smart Extra Battery
- AC Charging Cable
- Car Charging Cable
- Solar Charging Cable
- User Manual (this document)

4. SETUP

4.1 Initial Charge

Before first use, fully charge the DELTA 3 1500 and its Smart Extra Battery. You can charge via AC wall outlet, solar panels, or a car charger.

1. **AC Charging:** Connect the AC charging cable to the AC input port on the unit and then to a wall outlet. The unit will automatically begin charging. Full charge takes approximately 1.5 hours.
2. **Solar Charging:** Connect compatible solar panels (not included) to the solar input port using the provided solar charging cable. Ensure panels are in direct sunlight for optimal charging. Full solar charge takes approximately 3.5 hours.
3. **Car Charging:** Connect the car charging cable to the car charger port and then to your vehicle's 12V cigarette lighter outlet.

4.2 Connecting the Smart Extra Battery

To expand the capacity, connect the Smart Extra Battery to the DELTA 3 1500 unit using the dedicated expansion cable. Ensure both units are powered off before connecting.

5. OPERATING THE DELTA 3 1500

5.1 Powering On/Off

Press and hold the main power button for 3 seconds to turn the unit on or off. The LCD screen will illuminate upon power-on.

5.2 LCD Display Overview

The LCD display provides real-time information about the power station's status:

- **Battery Level Indicator:** Shows the current battery percentage.
- **Input Power:** Displays the current power input (e.g., from AC, solar).
- **Output Power:** Shows the total power output to connected devices.
- **Remaining Charge/Discharge Time:** Estimates the time until full charge or empty.
- **Port Status Indicators:** Icons indicating which output ports (AC, USB, DC) are active.

5.3 Using AC Outlets

Press the AC power button to enable the AC outlets. Connect your devices to the AC ports. The DELTA 3 1500 can power devices up to 2200W, with X-Boost technology supporting resistive loads up to 2400W.

5.4 Using USB and DC Ports

The USB and DC ports are typically active when the unit is on. Connect your USB-A, USB-C, or DC devices directly to the respective ports.

5.5 X-Boost Feature

The X-Boost feature allows the DELTA 3 1500 to power high-wattage resistive appliances (like hair dryers or kettles) that exceed its rated output, by lowering the voltage and current. This feature is automatically enabled when needed.

5.6 Uninterruptible Power Supply (UPS) Function

When the DELTA 3 1500 is connected to an AC wall outlet and devices are plugged into its AC outputs, it can function as a UPS. In case of a power outage, the unit will automatically switch to battery power within 15ms, providing seamless power to connected critical devices.



Figure 2: The EcoFlow DELTA 3 1500 Portable Power Station shown in different usage scenarios, including outdoor camping and home backup, highlighting its versatility.

6. MAINTENANCE

6.1 Storage

For long-term storage, charge the unit to 60% every 3 months to prolong battery life. Store in a dry, well-ventilated area between 20°C and 30°C (68°F and 86°F), away from corrosive substances and direct sunlight.

6.2 Cleaning

Use a dry, soft cloth to wipe the surface of the unit. Do not use harsh chemicals or abrasive materials.

6.3 Battery Health

The DELTA 3 1500 uses LiFePO₄ (LFP) batteries, designed for 3,000 cycles to 70% capacity. Regular charging and discharging within recommended parameters will help maintain battery health.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Unit not turning on	Battery depleted; Power button not held long enough.	Charge the unit; Press and hold the power button for 3 seconds.
AC outlets not working	AC button not pressed; Overload protection activated.	Press the AC power button; Reduce connected load, then restart AC output.
Slow charging	High ambient temperature; Using a low-power charger/source.	Move to a cooler environment; Use the official AC charging cable or higher wattage solar panels.
Unusual noise during operation	Cooling fan operating (normal); Internal component issue.	Fan noise is normal during high power output or charging. If noise is excessive or unusual, contact support.

If the problem persists, please contact EcoFlow customer support.

8. SPECIFICATIONS

Feature	Detail
Model	DELTA 3 1500
Battery Type	LiFePO4 (LFP)
Capacity	1.5 kWh (expandable up to 5.5 kWh)
AC Output	2200W (Surge 4400W), X-Boost 2400W
AC Input	1500W Max
Solar Input	Max 800W
Dimensions	50 x 50 x 50 cm (approximate)
Operating Temperature	-10°C to 45°C (14°F to 113°F)
Cycle Life	3000 cycles to 70%+ capacity
Noise Level	35 dB (below 600W), 45 dB (at 1200W)
UPS Switching Time	15 ms

9. WARRANTY AND SUPPORT

9.1 Warranty Information

EcoFlow products typically come with a limited warranty. Please refer to the official EcoFlow website or your purchase documentation for specific warranty terms and conditions applicable to your region and product model.

9.2 Customer Support

For technical assistance, troubleshooting, or warranty claims, please contact EcoFlow customer support through their official website or the contact information provided with your product. When contacting support, please have your product model number (DELTA 3 1500) and serial number ready.

Official Website: www.ecoflow.com