

EF ECOFLOW DELTA 3 Ultra

EF EcoFlow DELTA 3 Ultra Portable Power Station User Manual

Model: DELTA 3 Ultra (EF-DL-H01-3U)

1. PRODUCT OVERVIEW

The EF EcoFlow DELTA 3 Ultra 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 3072Wh LiFePO4 battery, delivering a continuous output of 3600W with a surge capability of 7200W.



Image 1.1: Front view of the EcoFlow DELTA 3 Ultra Portable Power Station, showcasing its display and multiple output ports.

This unit is engineered for durability and quiet operation, making it suitable for sensitive environments. It supports multiple charging methods for flexibility and quick readiness.

2. SETUP INSTRUCTIONS

2.1 Unpacking and Initial Inspection

Carefully remove the DELTA 3 Ultra from its packaging. Inspect the unit for any signs of damage. Ensure all included components are present. If any damage or missing parts are found, contact customer support immediately.

2.2 Charging the Unit

Before first use, fully charge the DELTA 3 Ultra. The unit offers four primary charging methods:

- **Wall Charging:** Connect the AC charging cable to a standard wall outlet. The unit can recharge to 80% in approximately 1.48 hours at 1800W input.
- **Solar Charging:** Connect compatible solar panels (up to 800W input) to the solar input port. Optimal charging times depend on sunlight intensity.
- **Car Charging:** Use the car charging cable to connect to your vehicle's 12V cigarette lighter port.
- **Generator Charging:** Connect to an EcoFlow Smart Generator for rapid recharging.

Image 2.1: Illustration of the four charging methods for the DELTA 3 Ultra, including wall, generator, solar, and alternator charging.

2.3 Connecting Appliances

The DELTA 3 Ultra provides various output ports:

- 4 x AC Output (120V, 20A)
- 1 x USB-A Port (18W Max)
- 3 x USB-C Port (140W Max)
- 1 x TT-30 RV Port (120V, 30A)
- 1 x Cigarette Lighter Port (12V, 10A)

Connect your devices to the appropriate ports. Ensure the total wattage of connected devices does not exceed the unit's continuous output of 3600W (7200W surge).



Image 2.2: Detailed view of the DELTA 3 Ultra's diverse output ports, including AC, USB-A, USB-C, TT-30 RV, and cigarette lighter ports.

3. OPERATING INSTRUCTIONS

3.1 Powering On/Off

Press and hold the main power button to turn the unit on or off. The LCD display will illuminate, showing battery status, input/output wattage, and remaining run time.

3.2 Using AC and DC Outputs

Activate the AC or DC output sections as needed by pressing their respective buttons. The display will indicate when these outputs are active. For optimal performance, ensure the unit is placed on a stable, flat surface with adequate ventilation.



Image 3.1: The DELTA 3 Ultra providing power to multiple devices in a home setting, demonstrating its versatility.

3.3 Uninterrupted Power Supply (UPS) Function

The DELTA 3 Ultra features a UPS function that automatically switches to battery power in under 10 milliseconds during a power outage. This ensures continuous operation for sensitive devices like computers and medical equipment. No manual setup is required for this feature.

Zero Interruption. Total Protection.

<10 ms, Experience Seamless Power



Image 3.2: The DELTA 3 Ultra operating in an office, highlighting its <10ms UPS capability for uninterrupted power.

3.4 Quiet Operation

The unit operates at approximately 25dB under loads below 600W, thanks to its X-Quiet 3.0 technology and advanced cooling design. This allows for quiet use in various environments, including bedrooms and RVs.

25 dB* Whisper-Quiet Operation Under Loads



Image 3.3: The DELTA 3 Ultra positioned in a bedroom, illustrating its quiet operation suitable for overnight use.

4. MAINTENANCE

4.1 Battery Care

The DELTA 3 Ultra is equipped with a durable LiFePO4 battery designed for 10 years of daily use. To maximize battery lifespan:

- Avoid fully discharging the battery frequently.
- Store the unit in a cool, dry place when not in use.
- Recharge the unit to at least 50% every 3-6 months if stored for extended periods.



Image 4.1: Visual representation of the advanced Battery Management System (BMS) that monitors and protects the DELTA 3 Ultra's battery.

4.2 Cleaning

Use a dry, soft cloth to clean the exterior of the unit. Do not use liquid cleaners or immerse the unit in water. Ensure ventilation ports are free from dust and debris.

4.3 Environmental Considerations

The DELTA 3 Ultra is designed for resilience in various conditions, including extreme heat and cold. However, for optimal performance and longevity, avoid prolonged exposure to direct sunlight, excessive moisture, or extreme temperatures outside the recommended operating range.

5. TROUBLESHOOTING

This section addresses common issues you might encounter with your DELTA 3 Ultra. For more detailed troubleshooting or issues not listed here, please refer to the official EcoFlow support resources or contact customer service.

5.1 Unit Not Powering On

- Ensure the battery is charged. Connect the unit to a power source and allow it to charge for at least 30 minutes.
- Verify the power button is pressed and held for a few seconds.

5.2 No Output from Ports

- Check if the specific output (AC or DC) is activated via its button.
- Ensure the connected device is functioning correctly and its power requirements do not exceed the port's or unit's maximum output.
- If an overload occurs, the unit may automatically shut down the output. Disconnect the device, restart the unit, and try again with a lower-power device.

5.3 Slow Charging

- For solar charging, ensure panels are in direct sunlight and free from obstructions. Check cable connections.

- For wall charging, verify the outlet is providing full power.
- Check the charging mode settings in the EcoFlow app, if applicable, as some modes may prioritize battery health over speed.

6. SPECIFICATIONS

Feature	Detail
Brand	EF ECOFLOW
Model Name	DELTA 3 Ultra
Item Model Number	EF-DL-H01-3U
Battery Capacity	3072 Watt-hours (Wh)
AC Output	3600W (Continuous), 7200W (Surge)
Voltage	120 Volts
Battery Type	LiFePO4
Charging Methods	Wall, Solar, Car, Generator
Product Dimensions	24.6"L x 12.9"W x 15.6"H
Item Weight	72.1 Pounds
Material	ABS
Special Feature	Portable, UPS Function, Quiet Operation
UPC	842783192042

7. WARRANTY AND SUPPORT

7.1 Warranty Information

The EF EcoFlow DELTA 3 Ultra is built with a durable LiFePO4 battery designed for extended use. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official EcoFlow website. Keep your proof of purchase for warranty claims.

7.2 Customer Support

For technical assistance, troubleshooting, or any product-related inquiries, please contact EcoFlow customer support. You can typically find contact information on the EcoFlow website or in your product documentation. Online resources, including FAQs and user guides, may also be available on the official EcoFlow support page.

