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EF ECOFLOW EF-DL3-MP-EB

EF ECOFLOW DELTA 3 MAX Plus Extra Battery User Manual

Model: EF-DL3-MP-EB

1. INTRODUCTION AND OVERVIEW

This manual provides essential information for the safe and efficient use of your EF ECOFLOW DELTA 3 MAX Plus Extra Battery. This 2048Wh LiFePO4 expansion battery is designed to increase the capacity of your DELTA 3 Max Plus and DELTA 3 Ultra Plus portable power stations. Please read this manual thoroughly before operation and retain it for future reference.



Expandable Capacity
Up to 10kWh with 2 Extra Battery Units

Capacity	Configuration
2048Wh	DELTA 3 Max Plus
6048Wh	DELTA 3 Max Plus + 2 × DELTA 3 Max Plus Smart Extra Battery (2kWh)+EcoFlow Smart Extra Battery Expansion Adapter*
10048Wh	DELTA 3 Max Plus + 2 × DELTA Pro 3 Smart Extra Battery (4kWh)+EcoFlow Smart Extra Battery Expansion Adapter*

*The EcoFlow Extra Battery Expansion Adapter will be released soon.

Image 1.1: The EF ECOFLOW DELTA 3 MAX Plus Extra Battery, showcasing its compact design and connection ports.

2. SETUP AND CONNECTION

The DELTA 3 MAX Plus Extra Battery is designed for plug-and-play functionality, requiring no complex setup. Ensure both the extra battery and the main power station (DELTA 3 Max Plus or DELTA 3 Ultra Plus) are powered off before connecting.

1. **Positioning:** Place the extra battery securely next to or stacked on top of your compatible DELTA 3 Max Plus or DELTA 3 Ultra Plus power station.
2. **Cable Connection:** Connect the extra battery cable to the designated expansion port on your main power station. Ensure the connection is firm.
3. **Power On:** Power on the main DELTA 3 Max Plus or DELTA 3 Ultra Plus power station. The extra battery should be automatically detected and integrated into the system.



Image 2.1: Illustration of the DELTA 3 MAX Plus Extra Battery connected to a main power station, demonstrating expandable capacity up to 10kWh with multiple units.

3. OPERATING INSTRUCTIONS

Once connected, the extra battery operates in conjunction with your main DELTA 3 Max Plus or DELTA 3 Ultra Plus power station. All charging and discharging functions are managed through the main unit.

- **Monitoring:** Monitor the charge level and temperature of the extra battery via the EcoFlow App, which provides a comprehensive overview of your power system.
- **Smart Power Reserve:** Utilize the Smart Power Reserve feature to set a desired battery threshold. This allows the system to automatically shed non-essential loads during power outages, prioritizing critical devices.
- **App Control:** The EcoFlow App offers deeper insights and easier control, including AI Mode for custom charging/discharging schedules and Self-Powered mode for optimal energy management.



Image 3.1: The EcoFlow App interface, illustrating how to set port priority and manage power output for connected devices.

Your browser does not support the video tag.

Video 3.1: An official video from EcoFlow Inc. showcasing the DELTA 3 Max Plus Power Station and its features.

4. CHARGING OPTIONS

The DELTA 3 MAX Plus Extra Battery charges simultaneously with the main power station. The system supports multiple charging methods for flexibility.

- **Generator Charging:** Achieve 0-80% charge in approximately 43 minutes with a smart generator. The Generator Auto Start/Stop Mode provides hands-free backup during outages.
- **AC Charging (X-Stream):** Get 0-80% charge in 64 minutes from an AC outlet. The exclusive Storm Guard Mode monitors weather alerts and triggers charging automatically.
- **Solar Charging:** Go off-grid with 0-80% solar charge in approximately 36 minutes (with 1000W input). Pair with EcoFlow 220W High-Efficiency Solar Panels for clean, reliable power.
- **Car Charging:** Charge 0-80% while driving in approximately 95 minutes using the Alternator Charger Plus 1000, which is 10 times faster than conventional car charging.
- **Dual Charging (PV + Car):** Achieve 0-80% charge in just 51 minutes with dual input from 1000W solar and 1000W alternator charging.



Image 4.1: Visual representation of the five charging methods available for the DELTA 3 MAX Plus system, including generator, AC, solar, car, and combined solar+car charging, with approximate 0-80% charging times.

5. FEATURES AND CAPABILITIES

The DELTA 3 MAX Plus Extra Battery enhances your power station with several key features:

- **Expandable Capacity:** Increase the total energy storage of your DELTA 3 Max Plus and DELTA 3 Ultra Plus with an additional 2048Wh. The system can scale from 2kWh up to 10kWh.
- **Compact Size:** The extra battery's volume is reduced by approximately 25% compared to previous models, making it easier to store, carry, and stack.
- **Long Lifespan:** Equipped with LiFePO4 (LFP) batteries, offering a long cycle life and reliable performance for over 10 years.
- **Quiet Operation:** Powered by X-Quiet™ 3.0, the stepless fan control adjusts airflow smoothly for precise thermal regulation, ensuring quiet operation, as low as 25 dB when powering under 600W.
- **Zero Downtime Built-in UPS:** Features a less than 10ms auto-switch, supporting NAS systems and providing uninterrupted power during outages.

- **High Power Output:** Run high-power appliances up to 3800W using X-Boost technology without overloading the system.



Image 5.1: The DELTA 3 MAX Plus power station demonstrating its capability to power various household appliances, including an oven, with its 2048Wh capacity and 3800W X-Boost output.



Image 5.2: The DELTA 3 MAX Plus operating quietly in a bedroom setting, highlighting its 25 dB noise level under 600W, comparable to a quiet library.

6. BATTERY TECHNOLOGY AND LONGEVITY

The DELTA 3 MAX Plus Extra Battery utilizes advanced LiFePO4 (LFP) cells for superior performance and durability.

- **Automotive-Grade Full-Tab LFP Cells:** These cells reduce resistance, enhance efficiency and safety, and provide higher capacity with less heat, contributing to a longer battery lifespan. They offer 25% more efficient power flow and 25% less self-heating.
- **Unmatched Battery Longevity:** With 27% fewer cells per kWh, the 16-cell design runs cooler, lasts longer, and delivers greater stability. Each cell is rigorously tested for capacity, voltage, and internal resistance, ensuring a uniform pack that protects against overcharging, imbalance, and premature wear.
- **Built to Last:** From battery chemistry to structural design, the DELTA 3 Max Plus is engineered for extreme durability, environmental resilience, and whisper-quiet performance, delivering power you can count on for over 10 years. It features a Smart BMS & Durable LFP Battery, EV-Grade CTC Drop-Resistant Structure, is All-Weather Ready, and Home-Friendly.



Image 6.1: A detailed diagram illustrating the internal structure of automotive-grade full-tab LFP cells, emphasizing their design for enhanced efficiency, safety, and reduced heat.



Image 6.2: A cross-section view of the battery, highlighting the 16-cell uniform set per kWh, rigorously tested for capacity, voltage, and internal resistance to ensure unmatched battery longevity.

7. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your DELTA 3 MAX Plus 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%.
- **Charging Cycles:** While LiFePO4 batteries have a long cycle life, avoid consistently fully discharging and recharging the battery if not necessary.
- **Cleaning:** Use a dry, soft cloth to clean the exterior of the battery. Do not use harsh chemicals or immerse the unit in water.
- **Regular Checks:** Periodically check all cables and connections for any signs of wear or damage.

8. TROUBLESHOOTING

If you encounter issues with your DELTA 3 MAX Plus Extra Battery, consider the following common solutions:

- **Battery Not Detected:** Ensure the connection cable between the extra battery and the main power station is securely plugged in at both ends. Power cycle both units.
- **Charging Issues:** Verify that the main power station is charging correctly. If the main unit is charging, the extra battery should also charge. Check for any error messages on the main unit's display or in the EcoFlow App.
- **Unusual Noise/Smell:** Immediately disconnect the extra battery from the main power station and contact customer support if you notice any unusual noises, smells, or smoke.
- **App Connectivity:** Ensure your main power station is connected to the EcoFlow App. If the app is not

displaying extra battery information, try restarting the app and ensuring Bluetooth/Wi-Fi is enabled.

For more detailed troubleshooting or issues not covered here, please refer to the comprehensive user manual for your main DELTA 3 Max Plus or DELTA 3 Ultra Plus power station or contact EF ECOFLOW customer support.

9. SPECIFICATIONS

Feature	Specification
Brand	EF ECOFLOW
Model Name	DELTA 3 MAX Plus Extra Battery
Item Model Number	EF-DL3-MP-EB
Capacity	2048Wh
Battery Type	LiFePO4
Product Dimensions	9.4"L x 7.71"W x 19.44"H
Item Weight	35 pounds
Material	Plastic
Manufacturer	EcoFlow
UPC	842783191793
GTIN	842783191793

10. WARRANTY AND SUPPORT

EF ECOFLOW products come with a limited warranty. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official EF ECOFLOW website. For technical support, troubleshooting assistance, or to inquire about replacement parts, please contact EF ECOFLOW customer service through their official channels.

Online Resources: For the latest information, FAQs, and support, visit the [EF ECOFLOW Store on Amazon](#) or the official EcoFlow website.