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EF ECOFLOW EFD330+EB

EF ECOFLOW Portable Power Station DELTA2 with Smart Extra Battery Instruction Manual

Brand: EF ECOFLOW

Model: EFD330+EB

1. INTRODUCTION

The EF ECOFLOW DELTA2 Portable Power Station with Smart Extra Battery is a versatile and powerful solar generator designed for home backup, emergency situations, and outdoor camping. This system offers an expandable capacity from 1024Wh to 2048Wh, ensuring reliable power for a wide range of appliances and devices. Its advanced LFP battery chemistry provides a long lifespan, supporting over 3000 cycles to 80% capacity, equivalent to 10 years of daily use.

The DELTA2 features a robust 1800W AC output, capable of powering over 90% of home appliances, with X-Boost technology preventing overloading for devices up to 2200W. It also boasts 7x faster AC charging, reaching 0-80% in just 50 minutes and 0-100% in 80 minutes. Multiple charging options, including solar, car, and Smart Generator, provide flexibility for various scenarios.

2. SETUP

2.1 Unboxing and Initial Inspection

Upon receiving your DELTA2 Power Station and Smart Extra Battery, carefully unpack all components. Verify that all included items are present: the DELTA2 Power Station, DELTA2 Extra Battery, AC charging cable, car charging cable, and user manuals. Inspect both units for any visible damage during shipping. Note that the DELTA2 Power Station and DELTA2 Extra Battery may be shipped separately.

2.2 Connecting the Extra Battery

To expand the capacity of your DELTA2 Power Station, connect the Smart Extra Battery. Ensure both units are powered off before connecting. Align the expansion port on the DELTA2 Power Station with the corresponding port on the Smart Extra Battery and firmly connect them using the provided cable. Once connected, the units will synchronize their battery levels.

DOUBLE THE POWER

Increase energy storage to **2kWh**
with an Extra Battery



Figure 1: DELTA2 Power Station connected to the Smart Extra Battery for expanded capacity.

2.3 Initial Charging (AC)

For optimal performance, fully charge your DELTA2 system before first use. Connect the AC charging cable to the AC input port on the DELTA2 Power Station and plug it into a standard wall outlet. The LCD screen will display the charging status and estimated time to full charge. The DELTA2 features X-Stream technology, allowing it to charge from 0% to 80% in approximately 50 minutes and to 100% in 80 minutes via AC input.

GO FROM 0-80% CHARGE IN 50 MINUTES

50 mins **7X** faster
DELTA 2 X-Stream AC charging

Other AC charging 5-9 hrs



Figure 2: DELTA2 Power Station connected to an AC wall outlet for rapid charging.

During fast charging, the internal fans may operate at a higher speed, producing audible noise. This is normal and indicates efficient heat dissipation. If fan noise is a concern, you can adjust the AC charging speed via the EcoFlow app to reduce noise levels.

2.4 EcoFlow App Setup

Download the EcoFlow app from your smartphone's app store. Follow the in-app instructions to pair your DELTA2 Power Station via Wi-Fi or Bluetooth. The app allows you to monitor charging data, customize settings, and adjust charging speeds remotely.

3. OPERATING INSTRUCTIONS

3.1 Powering Devices

The DELTA2 offers multiple output ports to power various devices simultaneously. It provides 1800W AC output, capable of handling most household appliances. With X-Boost technology, it can even power devices up to 2200W for short durations. The unit features 15 total outlets, including AC, DC5521, USB-A, and 100W USB-C ports.

POWER PRETTY MUCH ANYTHING

With a **1800W** output and & **15 outlets** when paired with DELTA 2, you can power 90% of appliances.



Figure 3: DELTA2 Power Station providing power to various devices.

To activate the AC outlets, press the "AC ON/OFF" button. For USB ports, press the "USB ON/OFF" button. The LCD screen will show real-time input and output wattage.

3.2 Charging the DELTA2 System

The DELTA2 system can be recharged using several methods:

- **AC Wall Outlet:** As detailed in the Setup section, this provides the fastest charging speed.
- **Solar Panels:** Connect compatible portable solar panels (up to 500W input) to charge the system from anywhere. Charging time can be as fast as 3 hours depending on solar input.
- **Car Charger:** Use the car charging cable to recharge the unit from your vehicle's 12V outlet.
- **EcoFlow Smart Generator:** For extended power needs, the DELTA2 can be charged using an EcoFlow Smart Generator.

CHARGE YOUR WAY

Choose from AC, car, solar or even the EcoFlow Smart Generator.



AC



Car



Solar



Smart Generator

Figure 4: Various charging methods for the DELTA2 Power Station.

3.3 Monitoring with the EcoFlow App

The EcoFlow app provides comprehensive control and monitoring capabilities. You can check real-time charging and discharging data, customize power settings, and adjust charging speeds. This is particularly useful for optimizing solar input or managing fan noise during AC charging.

TAKE CONTROL

Easily monitor DELTA 2 Extra Battery using the EcoFlow app or on the LCD screen.



Figure 5: Monitoring and controlling the DELTA2 system via the EcoFlow app.

4. MAINTENANCE

4.1 Battery Care and Storage

The DELTA2 uses LFP (Lithium Iron Phosphate) batteries, known for their durability and long cycle life (3000+ cycles to 80% capacity). To maximize battery lifespan, avoid prolonged storage at 0% charge. It is

recommended to fully charge the unit before storing it for extended periods. Store the unit in a cool, dry place away from direct sunlight and extreme temperatures.

Regularly check the battery level, especially if stored for long periods, and recharge as needed to maintain optimal health. The unit is designed to hold a charge for up to 350 days when not in use, but periodic checks are still advised.

4.2 Cleaning

Use a dry, soft cloth to clean the exterior of the DELTA2 Power Station. Do not use liquid cleaners or abrasive materials. Ensure ventilation ports are free from dust and debris to maintain proper airflow.

5. TROUBLESHOOTING

5.1 Overload Protection

The DELTA2 is equipped with X-Boost technology to prevent overloading for devices up to 2200W. If an overload occurs, the unit may temporarily shut down the output. Disconnect the overloaded device and restart the AC output. If the issue persists with multiple devices, ensure the total wattage does not exceed the unit's continuous output of 1800W.

5.2 Unit Not Charging/Discharging

If the unit is not charging or discharging as expected, check the following:

- Ensure all cables are securely connected.
- Verify the power source (wall outlet, solar panel, car charger) is functioning correctly.
- Check the LCD screen for any error codes or warning indicators.
- If using solar panels, ensure they are positioned for maximum sunlight exposure and are within the supported voltage range (11-60V).
- Try resetting the unit by pressing the trip reset button located near the AC input port.

5.3 Fan Noise

High fan noise during charging or heavy load is normal as the fans dissipate heat. If excessive noise is a concern, you can reduce the AC charging speed via the EcoFlow app. Ensure ventilation ports are free from dust and debris to maintain proper airflow.

5.4 Contacting Support

For persistent issues or further assistance, please refer to the detailed troubleshooting guide in the full user manual or contact EF ECOFLOW customer support. Information for contacting support can be found in the Warranty & Support section.

6. SPECIFICATIONS

Feature	Specification
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Brand	EF ECOFLOW
Model Name	DELTA2+EB (EFD330+EB)
Expandable Capacity	1024Wh (DELTA2) to 2048Wh (with Extra Battery)
AC Output	1800W (Continuous), 2700W (Peak), 2200W (X-Boost)
Total Power Outlets	15
AC Charging Speed	0-80% in 50 mins, 0-100% in 80 mins
Solar Charging Input	Up to 500W (11-60V, 15A Max)
Battery Chemistry	LFP (LiFePO4)
Cycle Life	3000+ cycles to 80% capacity
Item Weight	54 Pounds
Product Dimensions	8.3"L x 11.1"W x 15.7"H

7. WARRANTY AND SUPPORT

7.1 Product Warranty

The EF ECOFLOW DELTA2 Power Station and Smart Extra Battery come with an extended 5-year customer service warranty. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.

7.2 Customer Support

For any questions, technical assistance, or warranty claims, please contact EF ECOFLOW customer support. You can find detailed contact information on the official EF ECOFLOW website or through the EcoFlow app. Our dedicated support team is available to provide a worry-free experience. Please note: The DELTA2 Power Station and DELTA2 Extra Battery will be shipped separately.