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› User Manual for EF ECOFLOW Portable Power Station DELTA 2

EF ECOFLOW EFD330

User Manual

EF ECOFLOW PORTABLE POWER STATION DELTA 2

Model: EFD330

Brand: EF ECOFLOW

1. INTRODUCTION

The EF ECOFLOW DELTA 2 Portable Power Station is a versatile and powerful energy solution designed for various applications, including home backup power, outdoor camping, and RV use. Featuring a 1024Wh LiFePO4 (LFP) battery, it provides a robust 1800W AC output (with 2700W surge capability) and 100W USB-C output, ensuring reliable power for a wide range of devices and appliances. Its advanced technology allows for incredibly fast charging and expandable capacity, making it an essential tool for both emergency preparedness and off-grid adventures.



Figure 1: The EF ECOFLOW DELTA 2 Portable Power Station, showcasing its compact design and multiple output ports.

2. SAFETY INFORMATION

Please read all safety warnings and instructions carefully before operating the DELTA 2 Power Station. Failure to follow these instructions may result in electric shock, fire, serious injury, or property damage. Keep this manual for future reference.

- Do not disassemble, repair, or modify the unit yourself.
- Avoid exposure to extreme temperatures, direct sunlight, or high humidity.
- Ensure proper ventilation during use and charging to prevent overheating.
- Keep out of reach of children and pets.
- Use only original or certified charging cables and accessories.
- The LiFePO4 battery chemistry is designed for safety and longevity, but proper handling is still crucial.

For comprehensive safety guidelines, refer to the full User Manual PDF available for download from the official EF

ECOFLOW website or via the link provided in the Warranty and Support section.

3. SETUP

3.1 Unboxing and Included Components

Upon opening the package, verify that all components are present:

- EF ECOFLOW DELTA 2 Portable Power Station
- AC Charging Cable
- Car Charging Cable
- DC5521 to DC5525 Cable
- User Manual (this document)

3.2 Initial Charging

Before first use, it is recommended to fully charge your DELTA 2 Power Station. Connect the AC Charging Cable to the AC input port on the unit and then to a standard wall outlet. The display will show the charging status. The DELTA 2 features rapid charging, reaching 0-80% in approximately 50 minutes and 0-100% in 80 minutes.

COST-EFFECTIVE GREEN & FAST CHARGING



AC

charging 0-100% in

1.3 Hr



Solar

charging 0-100% in

2.3 Hr



DC(Smart Generator)

charging 0-100% in

1.3 Hr



Car

charging 0-100% in

1.3 Hrs*

*800W EcoFlow alternator charges 8 x faster than a 12V car outlet



Figure 2: Illustrates the fast AC charging capability of the DELTA 2, showing the unit connected to a wall outlet.

3.3 Connecting to the EcoFlow App

For enhanced control and monitoring, download the EcoFlow app from your smartphone's app store. The app allows you to monitor real-time energy insights, control the unit remotely via Wi-Fi or Bluetooth, and receive constant updates for optimal user experience.

1. Download the "EcoFlow" app.
2. Register or log in to your account.
3. Follow the in-app instructions to connect your DELTA 2 via Wi-Fi or Bluetooth.

STAY IN CHARGE WITH SMART POWER

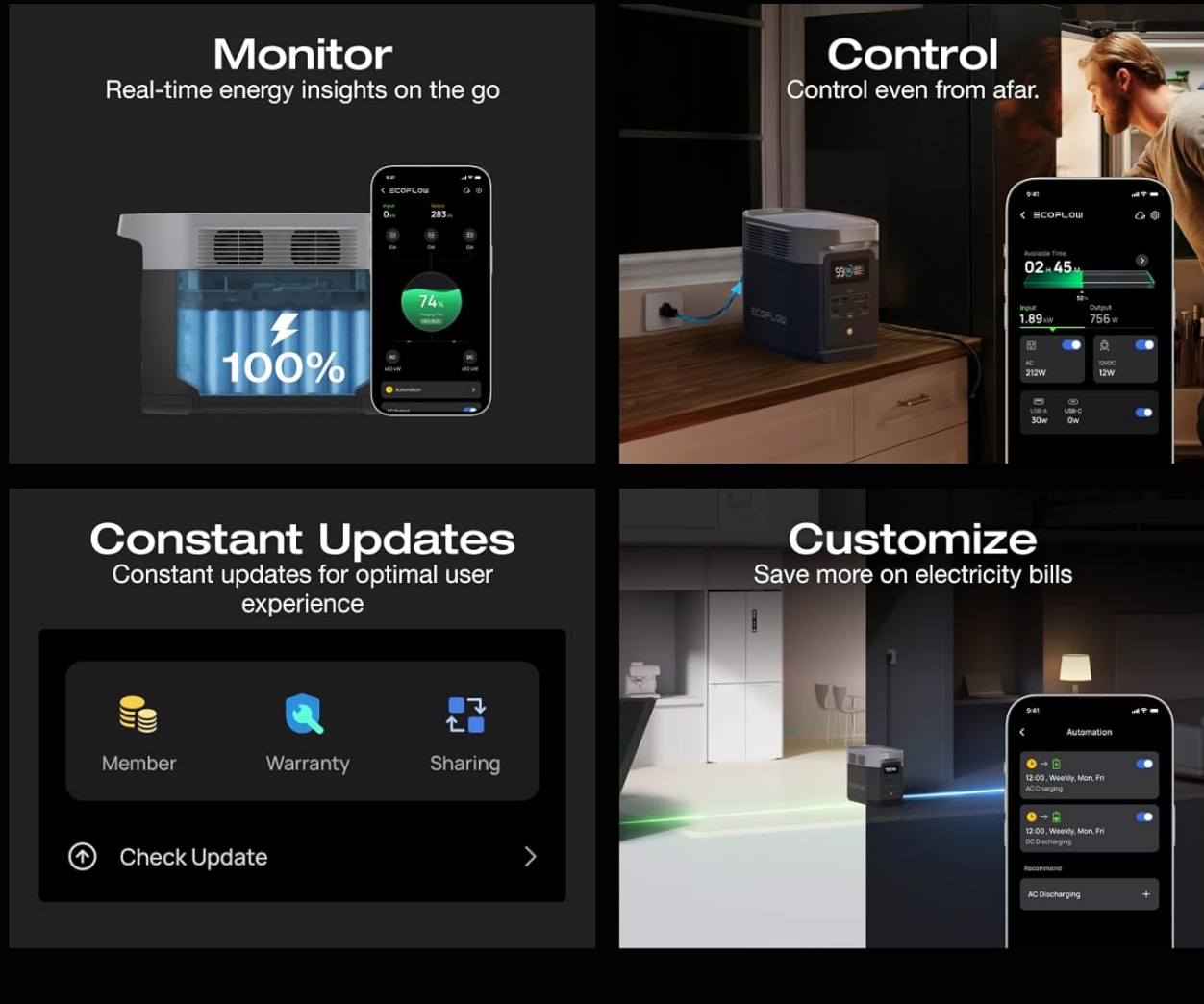


Figure 3: Shows the smart app control features, including real-time monitoring and remote control capabilities.

4. OPERATING INSTRUCTIONS

4.1 Powering On/Off

To power on the DELTA 2, press and hold the main power button until the display screen illuminates. To power off, press and hold the main power button again until the display turns off. Individual AC and DC outputs can be toggled on or off using their respective buttons on the front panel.

4.2 Charging Methods

The DELTA 2 offers multiple charging options:

- **AC Wall Outlet:** Connect the AC charging cable to a standard wall outlet for the fastest charging. (0-80% in 50 mins, 0-100% in 80 mins).
- **Solar Panels:** Connect compatible solar panels (up to 500W input) to the solar input port. Charging time varies

based on sunlight intensity and panel wattage (e.g., 2.3-4.7 hours with 1 or 2 x 220W solar panels).

- **Car Charger:** Use the car charging cable to charge from your vehicle's 12V cigarette lighter port.
- **Smart Generator:** The DELTA 2 can also be charged using an EcoFlow Smart Generator for extended power needs.

4.3 Output Ports and Powering Devices

The DELTA 2 is equipped with 15 outlets to power a wide array of devices:

- **6 x AC Output:** Provides 1800W continuous power, with a surge capability of 2700W.
- **2 x USB-C Output:** 100W each, ideal for fast charging laptops and other USB-C devices.
- **2 x USB-A Fast Charge:** 18W each.
- **2 x USB-A Output:** 12W each.
- **1 x Car Charger Output:** 126W.
- **2 x DC5521 Output:** 38W each.

15-PORT FAST CHARGING DEVICES



6 x AC Output
(**1800W**, Surge**2700W**)



2 x USB-C
(**100W**)



2 x USB-A
Fast Charge (18W)



2 x USB-A
(12W)



2 x DC5521
(38W)



1 x Car Charger
(126W)



Figure 4: Detailed view of the DELTA 2's 15 output ports, including AC, USB-C, USB-A, DC5521, and car charger outlets.

4.4 X-Boost Feature

The X-Boost feature allows the DELTA 2 to power appliances with a higher rated power than its 1800W output, up to 2200W. This is achieved by lowering the voltage, enabling the power station to run devices that would typically trip other power stations. This feature is particularly useful for high-wattage appliances like electric kettles, hair dryers, or small air conditioners.



**POWER 99% OF APPLIANCES
WITH X-BOOST**

1800W AC Output

X-BOOST

2200W

			
Electric kettle	Hair dryer	Air conditioner	Electric heater
0.5 Hr (1500W)	0.5 Hr (1600W)	0.4 Hr (1800W)	0.4 Hr (2200W)

Figure 5: Illustrates the X-Boost feature, demonstrating its ability to power up to 99% of appliances with an 1800W AC output, effectively handling devices up to 2200W.

4.5 Expandable Capacity

The DELTA 2's capacity can be expanded from 1kWh up to 3kWh by connecting additional DELTA 2 Extra Batteries or a DELTA Max Extra Battery. This modular design provides flexibility for various power needs, from short-term backup to extended off-grid living.

CUSTOMIZE YOUR POWER EXPERIENCE

1-3kWh
Expandable Capacity



APP-View Extra Battery
Status Live Anytime



DELTA 2
1024 Wh

+



DELTA 2
Extra Battery
1024Wh

=

2048Wh



DELTA 2
1024 Wh

+



DELTA 2 Max
Extra Battery
2048Wh

=

3072Wh



Figure 6: Visual representation of the DELTA 2's expandable capacity, showing how it can be connected to extra batteries to increase total Watt-hour capacity.

4.6 Standby Power Supply (SPS) Function

The DELTA 2 can function as a Standby Power Supply (SPS). When connected to an AC wall outlet, it will pass through power to connected devices. In the event of a power outage, it automatically switches to battery power within 30ms, providing an uninterrupted power supply for essential electronics.

5. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your DELTA 2 Power Station.

- **Battery Care:** Avoid completely discharging the battery to 0% for prolonged periods. For long-term storage, charge the unit to approximately 60-80% and recharge every 3-6 months.
- **Cleaning:** Use a dry, soft cloth to wipe the exterior of the unit. Do not use harsh chemicals or abrasive materials. Ensure all ports are free of dust and debris.

- **Storage:** Store the unit in a cool, dry place, away from direct sunlight, heat sources, and moisture. The recommended storage temperature is between 68°F to 86°F (20°C to 30°C).
- **Ventilation:** Ensure the ventilation openings are not blocked during operation or charging to prevent overheating.



Figure 7: Highlights the 10-year lifespan of the LiFePO4 battery, indicating 3000+ cycles to 80%+ capacity, ensuring long-term durability.

6. TROUBLESHOOTING

If you encounter issues with your DELTA 2 Power Station, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Unit not turning on	Battery fully discharged; Power button not pressed long enough.	Connect to AC power and charge for a few minutes; Press and hold the power button for 3-5 seconds.

Problem	Possible Cause	Solution
Slow AC charging speed	Charging speed limited by app settings; High ambient temperature.	Check EcoFlow app settings to ensure AC charging speed is set to maximum; Move unit to a cooler environment.
Solar charging not working	Insufficient sunlight; Incorrect panel connection; Damaged solar panel/cable.	Ensure panels are in direct sunlight and angled correctly; Verify all connections are secure; Test with another panel/cable if possible.
Fan noise is loud	Normal operation during high power output or fast charging.	This is normal. If noise is excessive, you can lower the charging speed via the EcoFlow app.
AC output not working	AC output not enabled; Overload protection activated.	Press the AC power button to enable output; Reduce the load on the AC outlets.

If the problem persists after attempting these solutions, please contact EF ECOFLOW customer support for assistance.

7. SPECIFICATIONS

Feature	Detail
Model Name	DELTA 2 (EFD330)
Battery Type	LiFePO4 (Lithium Iron Phosphate)
Capacity	1024Wh (Expandable to 3072Wh with extra batteries)
AC Output	1800W (Surge 2700W)
Max Device Power (X-Boost)	2200W
USB-C Output	2 x 100W
AC Charging Input	1200W Max (0-80% in 50 mins, 0-100% in 80 mins)
Solar Charging Input	500W Max (11-60V, 15A)
Car Charging Input	12V/24V, 8A, 100W Max
Cycle Life	3000+ cycles to 80%+ capacity
Dimensions (L x W x H)	15.7" x 8.3" x 11.3"
Weight	27 lbs (12.2 kg)
Operating Temperature	14°F to 113°F (-10°C to 45°C)

8. WARRANTY AND SUPPORT

EF ECOFLOW provides a comprehensive 5-year warranty for the DELTA 2 Portable Power Station, ensuring peace of

mind and reliable performance. This warranty covers defects in materials and workmanship under normal use. For technical support, warranty claims, or any inquiries, please contact EF ECOFLOW customer service through their official website or the contact information provided in your product packaging. You can also refer to the official User Manual PDF for more detailed information and troubleshooting guides:

Download Full User Manual
(PDF)

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question