

EF ECOFLOW EFD500

EF ECOFLOW DELTA Pro Portable Power Station User Manual

Model: EFD500 | Brand: EF ECOFLOW

1. INTRODUCTION

The EF ECOFLOW DELTA Pro is a state-of-the-art portable power station designed to provide reliable and versatile power for a wide range of applications, from home backup during power outages to off-grid adventures and professional work sites. Featuring a robust 3600Wh LiFePO4 battery, it offers substantial energy storage and can be expanded for even greater capacity. With its advanced X-Stream fast charging technology and multiple output options, the DELTA Pro ensures you have power whenever and wherever you need it.

This manual provides essential information for the safe and efficient operation of your DELTA Pro. Please read it thoroughly before use and retain it for future reference.



Figure 1: EF ECOFLOW DELTA Pro Portable Power Station

2. SETUP

1. **Unpacking:** Carefully remove the DELTA Pro and all included accessories from its packaging. Verify that all components listed in the 'Included Components' section are present.
2. **Initial Charge:** For optimal performance and battery longevity, it is recommended to fully charge the DELTA Pro before its first use. Connect the AC Charging Cable to a standard wall outlet. The display will indicate charging status.
3. **App Connection:** Download the EcoFlow app from your device's app store. Follow the in-app instructions to connect your DELTA Pro via Wi-Fi or Bluetooth for smart monitoring and control. This allows you to check charge levels, temperature, and customize settings remotely.
4. **Placement:** Place the DELTA Pro on a stable, flat surface in a well-ventilated area, away from direct sunlight, heat sources, and moisture. Ensure adequate clearance around the vents for proper airflow.

Monitor And Control Via Smart App

APP Control



Wi-Fi



Bluetooth



Download the EcoFlow APP



Available on
App Store



Get it on
Google Play

Figure 2: Monitor and Control via Smart App

3. OPERATING INSTRUCTIONS

3.1 Charging the DELTA Pro

The DELTA Pro offers multiple convenient charging methods:

- **AC Wall Outlet:** Fully recharges in approximately 2.7 hours (1800W) or 1.8 hours (240V/3000W).
- **Solar Panels:** Can be fully charged in about 2.8 hours with 4x 400W solar panels (1600W total), thanks to up to 23% solar conversion efficiency.
- **Car Charger:** Charges via a car outlet (96W).
- **EV Charging Station:** Supports charging at EV stations (3400W).
- **Smart Generator:** Compatible with EcoFlow Smart Generators (1700W).

X-STREAM Charging

AC Recharge 0-80% in 2H



Figure 3: X-STREAM Fast Charging

3.2 Powering Devices

The DELTA Pro provides extensive output flexibility:

- **AC Output:** A single unit provides 3600W AC output, expandable up to 4500W with X-Boost technology. Two units can be paired with a Double Voltage Hub (sold separately) to achieve 7200W/240V output, capable of powering 99.99% of heavy-duty devices.
- **Versatile Outlets:** Equipped with 15 output methods, including 5 AC Outlets, 2 USB-A, 2 USB-A Fast Charge, 2 USB-C (100W), 2 DC Outlets, 1 Car Power Output, and 1 Anderson port.

15 Versatile Outlets

5	1	2	2	2	1	2
AC OUTLETS	CAR POWER OUTPUT	USB-A OUTPUT	USB-A FAST CHARGE OUTPUT	USB-C OUTPUT	ANDERSON PORT	DC5521



Figure 4: DELTA Pro with 15 Versatile Outlets

Power Almost Everything



AC Output
7200W 240V

+



*The double voltage hub needs additional purchasing

Figure 5: Powering Almost Everything with DELTA Pro (with optional Double Voltage Hub)

3.3 Expandable Capacity

The DELTA Pro's capacity can be expanded from 3.6kWh up to 25kWh by connecting DELTA Pro Extra Batteries or Smart Generators (sold separately). This modular design allows you to customize your power solution to meet varying energy demands.

Expandable Capacity From 3.6kWh To 10.8kWh

Deliver up to 25kWh capacity



Figure 6: Expandable Capacity from 3.6kWh to 10.8kWh (up to 25kWh)

3.4 Portability

Despite its large capacity, the DELTA Pro is designed for portability with a sturdy pull handle and double wheels, making it easier to transport for various uses.



Figure 7: Portable Design with Handle and Wheels

4. MAINTENANCE

- **Battery Cycle:** To maintain optimal battery health and longevity, it is recommended to perform a full discharge-charge cycle approximately every 45 days. This helps calibrate the battery management system.
- **Storage:** When storing the DELTA Pro for extended periods, ensure it is charged to approximately 50-80% and stored in a cool, dry place. Recharge it to this level every 3-6 months.
- **Cleaning:** Use a dry, soft cloth to clean the exterior of the unit. Do not use harsh chemicals or abrasive materials. Keep all ports and vents free from dust and debris.
- **Temperature:** Avoid operating or storing the unit in extreme temperatures. Refer to the specifications for recommended operating and storage temperature ranges.

5. TROUBLESHOOTING

- **Unit Not Turning On:** Ensure the power button is pressed and held for a few seconds. Check if the battery is completely depleted; if so, connect to a power source.
- **Not Charging:** Verify that the charging cable is securely connected to both the DELTA Pro and the power source. Check the power source itself (wall outlet, solar panel, etc.) for functionality. If using solar, ensure panels are in direct sunlight and properly connected.
- **Output Not Working:** Ensure the specific output port (AC, USB, DC) is enabled on the unit or via the EcoFlow app. Check the power draw of your device; if it exceeds the port's maximum output, the port may shut down.
- **Reduced Capacity/Run Time:** Battery performance can be affected by extreme temperatures or prolonged storage at very low/high charge levels. Perform a full discharge-charge cycle as part of maintenance. If issues persist, contact customer support.
- **DC Port Issues (e.g., for refrigerators):** Ensure the connected device's power requirements (voltage and current) are compatible with the DELTA Pro's DC output specifications. Some sensitive devices may require specific voltage stability that might be affected by high current draw.
- **App Connectivity Issues:** Ensure Wi-Fi or Bluetooth is enabled on your mobile device and the DELTA Pro. Try restarting both the app and the power station.

6. SPECIFICATIONS

Feature	Specification
Brand	EF ECOFLOW
Model Name	EFD500
Wattage	3600 Watt-hours
Fuel Type	Non-gasoline
Power Source	Battery Powered
Recommended Uses	Commercial/Residential, Outdoor Use
Item Weight	99 Pounds
Voltage	120 Volts
Output Wattage	3600W (4500W with X-Boost)
Special Features	APP Smart Control, X-BOOST Technology, Expandable Capacity, X-STREAM Fast Charging
Included Components	DC5521 to DC5525 Cable, 3600Wh Power Station, AC Charging Cable, Car Charging Cable
Color	120V/3600Wh (Black/Grey)
Product Dimensions	25"L x 11.2"W x 16.4"H
Material	Acrylonitrile Butadiene Styrene
Engine Type	4 Stroke
Ignition System Type	Electric

Feature	Specification
Runtime	24 hours (approximate, load dependent)
Total Power Outlets	15
Frequency	60 Hz
Current Rating	2.4 Amps, 5 Amps, 1.5 Amps (various ports)
Starting Wattage	7200 Watts (peak)
Running Wattage	3600 Watts
Manufacturer	ECOFLOW
Country of Origin	China

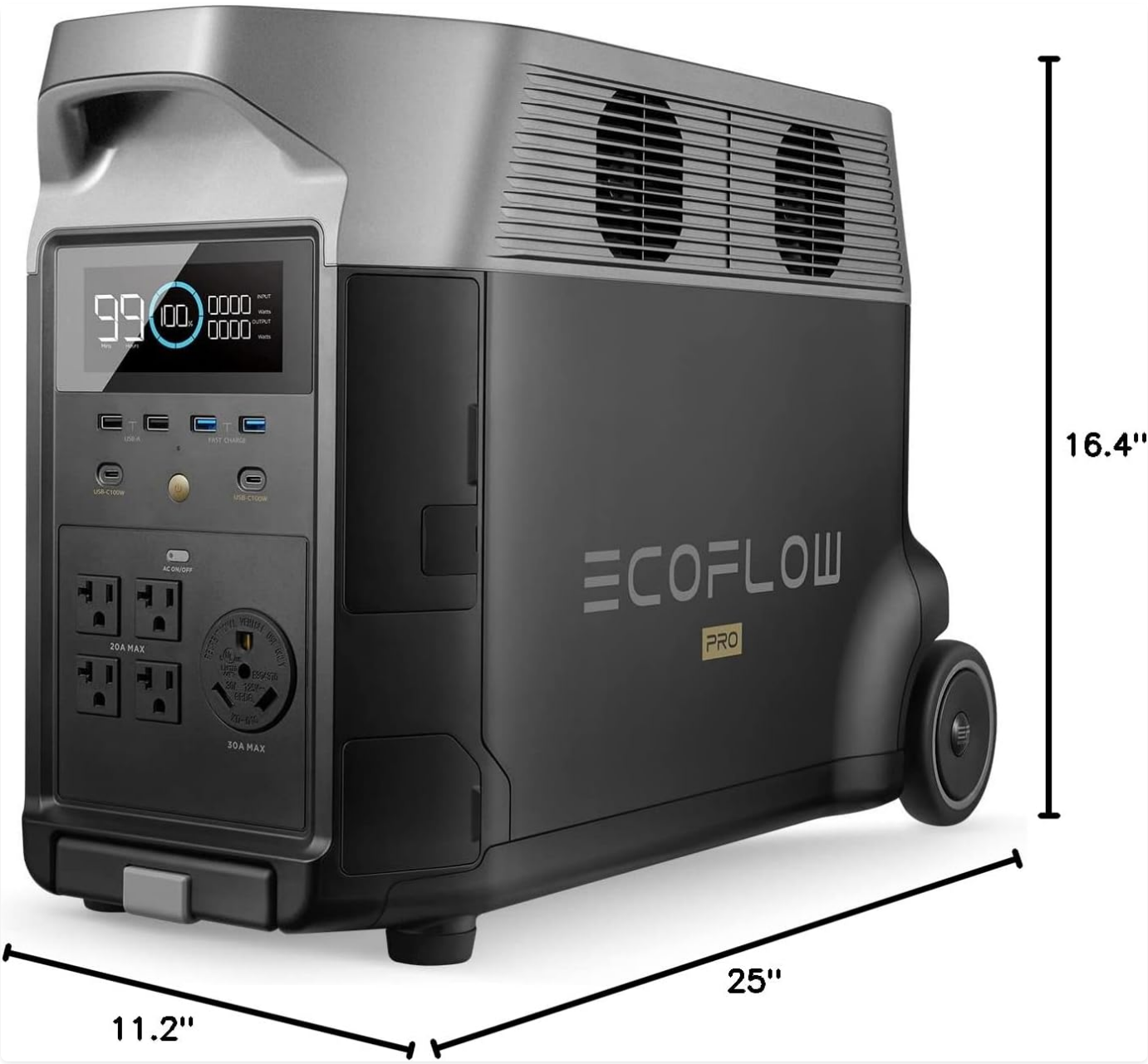


Figure 8: DELTA Pro Product Dimensions

7. WARRANTY & SUPPORT

EF ECOFLOW is committed to providing high-quality products and excellent customer service. Your DELTA Pro Portable Power Station is covered by a manufacturer's warranty. For specific warranty terms and conditions, please refer to the official warranty documentation provided with your product or visit the EF ECOFLOW official website.

For any technical assistance, troubleshooting not covered in this manual, or warranty claims, please contact EF ECOFLOW Customer Support. You can find contact information on the official website or through the EcoFlow app.

Additional protection plans may be available for purchase to extend coverage beyond the standard warranty period. Please check with your retailer for details.

A comprehensive User Manual (PDF) is also available for download at:

<https://manuals.plus/m/1d31f8ebabe51995735e887c8a76af86a574b537b22612dc5fc83eaf976b0b98>

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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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