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› EF ECOFLOW DELTA Pro Portable Power Station User Manual

EF ECOFLOW EFD500

EF ECOFLOW DELTA Pro Portable Power Station User Manual

Model: EFD500

1. PRODUCT OVERVIEW

The EF ECOFLOW DELTA Pro is a 7.2kWh portable power station designed for versatile use, including home backup, outdoor activities, RV power, and emergency situations. It features an expandable LiFePO4 battery, high AC output, and multiple charging options.



Image: Front and back view of the DELTA Pro Portable Power Station, highlighting its robust design and various ports.

Key Features:

- **Expandable Capacity:** Expand from 3.6kWh to 7.2kWh with an Extra Battery for extended power backup.
- **High AC Output:** A single unit provides 3600W AC output, expandable up to 4500W with X-Boost technology. Two units can be paired for 7200W.
- **X-Stream Fast Charging:** Rapidly recharges via 240V outlets (1.8 hrs), 1800W wall outlets (2.7 hrs), or solar panels (3.5-7 hrs with 3*400W panels).
- **Multiple Charging Methods:** Supports EV station charging, solar, wall outlets, smart outdoor generator, and car outlet.
- **Smart App Control:** Monitor and control the unit via Wi-Fi or Bluetooth using the EcoFlow app.
- **15 Versatile Outputs:** Includes 5 AC outlets, 4 USB-A ports, 2 USB-C ports, 2 DC ports, 1 car power output, and 1 Anderson port.

Portable Design Easy To Carry

Sturdy pull handle & double wheels



Image: The DELTA Pro features a portable design with a sturdy pull handle and double wheels for easy transport.

2. GETTING STARTED

Unpacking and Initial Inspection:

Upon receiving your DELTA Pro, carefully unpack all components. Verify that all included accessories (DC5521 to DC5525 Cable, AC Charging Cable, Car Charging Cable) are present. Inspect the unit for any visible damage. Note that the power station and extra battery may ship in separate packages.

First Use and Charging:

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 show charging progress. For optimal battery health, avoid completely draining the battery frequently.

X-STREAM Charging

AC Recharge 0-80% in 2H



EV CHARGE 3400W

1.7hr



WALL CHARGE 240V/120V

1.8hr / 2.7hr



SOLAR CHARGE 3*400W

3.5hr



CAR CHARGE 96W

37.5hr

Image: The DELTA Pro supports various charging methods, including AC wall outlets and solar panels, demonstrating its X-Stream fast charging capability.

3. OPERATION

Powering On/Off:

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

Using AC Outlets:

To use the AC outlets, ensure the AC ON/OFF switch is toggled to the 'ON' position. The display will indicate AC output is active. The DELTA Pro can power 99.99% of heavy-duty devices at home, outdoors, or at work.

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



Image: The DELTA Pro features 15 versatile outlets, including AC, USB-A, USB-C, DC, car power, and Anderson ports, for powering a wide range of devices.

X-Boost Technology:

The X-Boost feature allows the DELTA Pro to power appliances requiring up to 4500W by lowering the voltage and current, enabling compatibility with a wider range of devices without triggering overload protection. This feature is automatically enabled when the output exceeds the rated power.



Image: Visual representation of the X-Boost technology, enabling the DELTA Pro to handle high-wattage appliances up to 4500W.

Smart App Control:

Download the EcoFlow app from your device's app store. Connect your DELTA Pro via Wi-Fi or Bluetooth to monitor charge level, temperature, and charge/discharge times. You can also customize settings such as battery life, input/output, and more, directly from your smartphone.

Monitor And Control Via Smart App

APP Control



Wi-Fi



Bluetooth



Download the EcoFlow APP



Available on
App Store



Get it on
Google Play

Image: The EcoFlow app allows for convenient monitoring and control of the DELTA Pro via Wi-Fi or Bluetooth.

Expandable Capacity:

The DELTA Pro's capacity can be expanded by connecting an Extra Battery. This allows for increased runtime and greater flexibility for various power needs. Refer to the specific instructions for connecting the extra battery unit.

Expandable Capacity From 3.6kWh To 10.8kWh

Deliver up to 25kWh capacity



Image: Illustration demonstrating the expandable capacity of the DELTA Pro, from 3.6kWh to 7.2kWh with one extra battery, or up to 10.8kWh with two.

Typical Appliance Runtimes:

The following tables provide estimated runtimes for common appliances when powered by the DELTA Pro. Actual runtimes may vary based on appliance wattage and usage patterns.



108 hours
Light(10w)



24-48 hours
Refrigerator(120w)



2.5 hours
Microwave(1300w)



1.8 hours
Air Conditioner(1800w)



2 hours
Hair Dryer(1600w)



Image: Estimated runtimes for household appliances like lights, refrigerators, microwaves, air conditioners, and hair dryers.



313 times
Phone(11W)



270 times
Camera(16W)



86 times
Drone(40W)



43 hours
Projector(65W)



57 hours
Car Fridge(60W)



Image: Estimated runtimes for personal electronics and outdoor gear such as phones, cameras, drones, projectors, and car fridges.



57 hours
Car Fridge(60W)



3.3 hours
Coffee Maker(1000W)



2.2 hours
Electric Kettle(1500W)



6.5 hours
Blender(500W)



2.2 hours
Fry Pan(1500W)



Image: Estimated runtimes for kitchen appliances and other high-draw devices like coffee makers, electric kettles, blenders, and fry pans.

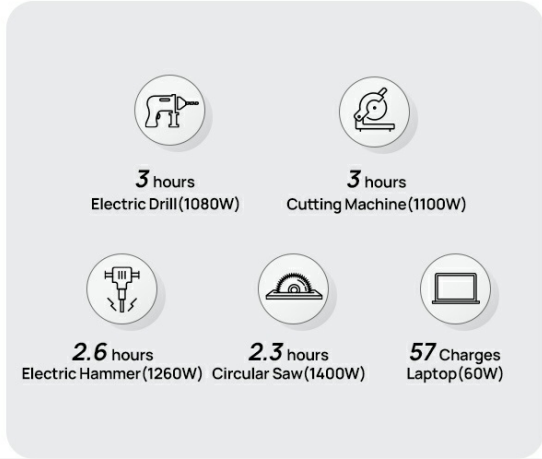


Image: Estimated runtimes for power tools and laptops, demonstrating the DELTA Pro's capability for demanding applications.

4. MAINTENANCE

To ensure the longevity and optimal performance of your DELTA Pro, follow these maintenance guidelines:

- Store the unit in a cool, dry place away from direct sunlight and extreme temperatures.
- Charge the unit to 80% every 3-6 months if not in regular use to maintain battery health.
- Keep the ventilation openings clear of dust and debris to prevent overheating.
- Clean the exterior with a soft, dry cloth. Avoid using harsh chemicals or abrasive materials.

5. TROUBLESHOOTING

If you encounter issues with your DELTA Pro, consider the following common troubleshooting steps:

- **Unit Not Turning On:** Ensure the battery is charged. If completely drained, connect to an AC outlet for a few minutes.
- **No Output from AC/DC Ports:** Check if the respective AC ON/OFF or DC ON/OFF switch is activated. Verify the appliance's power consumption does not exceed the unit's output limits.
- **Overload Warning:** If an overload warning appears, disconnect the high-power appliance immediately. Reduce the load or use the X-Boost feature if applicable.
- **App Connectivity Issues:** Ensure Wi-Fi or Bluetooth is enabled on your device and the DELTA Pro. Try restarting both the app and the power station.
- **Firmware Updates:** Regularly check for and install firmware updates via the EcoFlow app, as these often resolve performance issues.

For more detailed troubleshooting or persistent issues, please refer to the official user manual PDF or contact EF ECOFLOW customer support.

6. SPECIFICATIONS

Attribute	Value
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Attribute	Value
Brand	EF ECOFLOW
Model Name	EFD500
Capacity	3.6kWh (expandable to 7.2kWh)
AC Output	3600W (Surge 7200W), X-Boost to 4500W
Voltage	120 Volts
Frequency	60 Hz
Battery Type	LiFePO4
Charging Time (AC)	1.8 hrs (240V), 2.7 hrs (1800W wall)
Charging Time (Solar)	3.5-7 hours (with 3*400W solar panels)
Item Weight	183 Pounds
Product Dimensions	25"L x 11.2"W x 16.4"H
Total Power Outlets	15

7. WARRANTY AND SUPPORT

EF ECOFLOW products typically come with a manufacturer's warranty. Please refer to the official warranty policy provided with your purchase or on the EF ECOFLOW website for specific terms and conditions.

For comprehensive information, detailed diagrams, and further assistance, please download the official User Manual PDF:

Download User Manual
(PDF)

You can also visit the [EF ECOFLOW Store on Amazon](#) for additional product information and support resources.

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.

Name

Anonymous

Email

you@example.com

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