

# EF ECOFLOW Portable Power Station DELTA 2 Max User Manual

Model: DELTA2 Max (EFD350)

## 1. IMPORTANT SAFETY INSTRUCTIONS

Please read all safety instructions carefully before operating the EF ECOFLOW DELTA 2 Max. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- Do not expose the unit to rain or moisture.
- Do not disassemble, repair, or modify the unit.
- Keep the unit away from heat sources, direct sunlight, and flammable materials.
- Ensure proper ventilation during use and charging.
- Use only original or certified cables and accessories.
- Keep out of reach of children and pets.

## 2. PRODUCT OVERVIEW

The EF ECOFLOW DELTA 2 Max is a portable power station designed to provide reliable power for various applications, from home backup to outdoor adventures. It features a high-capacity LiFePO4 battery and multiple output ports.



Front view of the EF ECOFLOW DELTA 2 Max Portable Power Station, showing the display, USB ports, and power button.

## 2.1. Components and Ports

- **LCD Display:** Shows battery level, input/output power, and remaining runtime.
- **AC Output Ports:** Six 120V AC outlets (up to 2400W total, 3400W with X-Boost).
- **USB-A Ports:** Two standard USB-A ports (12W) and two fast-charge USB-A ports (18W).
- **USB-C Ports:** Two 100W USB-C ports for fast charging compatible devices.
- **DC Output Ports:** Two DC5521 ports and one car charging port.
- **AC Input Port:** For wall charging.
- **Solar Input Port (XT60i):** For connecting solar panels.
- **Extra Battery Ports:** For expanding capacity with additional batteries.



The dimensions of the DELTA 2 Max are 12.2 inches (L) x 9.7 inches (W) x 20 inches (H), with a weight of 50 pounds.

## 3. GETTING STARTED

### 3.1. Initial Charge

Before first use, fully charge the DELTA 2 Max. Connect the included AC charging cable to the unit's AC input port and plug it into a standard wall outlet. The LCD display will show the charging progress. A full charge from 0% takes approximately 1.1 hours via AC.

# FAST AC AND SOLAR CHARGING



## Solar+AC

0-80% in

**43** mins



## AC charging

0-80% in

**1.1** hours



## Solar charging

Full charge in

**2.3** hours\*

\*Based on using 1000W solar input in an ideal environment.

The DELTA 2 Max supports fast charging, reaching 80% in 43 minutes when combining solar and AC input, or 1.1 hours with AC charging alone.

## 4. CHARGING YOUR DELTA 2 MAX

### 4.1. AC Charging

Connect the AC charging cable to a wall outlet. The unit's X-Stream technology allows for rapid charging. You can adjust the AC charging speed via the EcoFlow app.

### 4.2. Solar Charging

Connect compatible solar panels (up to 1000W input) to the XT60i solar input port. Ensure the panels are placed in direct sunlight for optimal charging efficiency. The unit features 99% MPPT efficiency to maximize solar generation.

# 99% MPPT EFFICIENCY

Maximize solar generation during the daylight hours.

UP TO  
**1000<sub>w</sub>**  
Solar Input

With a solar input of 1000W, connect up to 2 EcoFlow 400W Portable Solar Panels or 4 sets of 220W Bifacial Solar Panels

## Solar Charging Times

1000W Approx. **2.3** hours

880W Approx. **2.6** hours

800W Approx. **2.8** hours

## MPPT Efficiency

**>99%**  
EcoFlow Power Stations

80%  
Others

The DELTA 2 Max maximizes solar generation with 99% MPPT efficiency, supporting up to 1000W solar input.

## 4.3. Car Charging

Use the included car charging cable to charge the DELTA 2 Max from your vehicle's 12V/24V cigarette lighter port. This method is slower than AC or solar charging and is best for topping up the battery while on the go.

## 5. OPERATING YOUR DELTA 2 MAX

### 5.1. Powering Devices

Press the main power button to turn on the unit. Activate the desired output sections (AC, DC, USB) by pressing their respective buttons. Connect your devices to the appropriate ports.

# RUN 99% OF APPLIANCES

Charge 15 devices at once with an AC output of 2400W.

Power some appliances with up to 3400W by using X-Boost technology.



The DELTA 2 Max can power up to 99% of household appliances, including coffee makers, refrigerators, and microwaves.

## 5.2. X-Boost Feature

The X-Boost feature allows the DELTA 2 Max to power high-wattage appliances (up to 3400W) by lowering their voltage and current. This feature is automatically enabled when the output exceeds the rated power. It is not suitable for all appliances, especially those with strict voltage requirements.

## 5.3. EcoFlow App Control

Download the EcoFlow app from your smartphone's app store. Connect the DELTA 2 Max via Bluetooth or Wi-Fi to monitor its status, control output ports, adjust charging speeds, and update firmware remotely.

# EVEN MORE CONTROL



Smart Automatic  
Control



AC  
Always-on



Energy  
Management



Low Battery  
Reminder



The EcoFlow app provides comprehensive control and monitoring capabilities for the DELTA 2 Max.

## 5.4. Quiet Operation

The DELTA 2 Max operates quietly, with noise levels starting from only 30 dB, making it suitable for indoor use and overnight charging without disturbance.

# QUIET CHARGING

Volume starts from only 30 dB.



The DELTA 2 Max maintains a low noise level, starting from 30 dB, ensuring quiet operation.

## 6. EXPANDABLE CAPACITY

The DELTA 2 Max's capacity can be expanded from 2048Wh up to 6144Wh by connecting up to two DELTA 2 Max Smart Extra Batteries. Connect the extra battery cable to the designated ports on both the main unit and the extra battery.

## 7. MAINTENANCE AND STORAGE

### 7.1. Battery Longevity

The DELTA 2 Max uses LiFePO<sub>4</sub> (LFP) battery chemistry, providing over 3000 cycles to 80% capacity. To maximize battery lifespan, avoid consistently draining the battery to 0% or charging to 100% unless necessary. For long-term storage, maintain a charge level between 30% and 50%.

# BUILT TO LAST

With an upgraded LFP battery, charge and recharge 3000+ times, that's 6x more cycles than the industry average.

# 10 YEARS



# 3000



DELTA 2 Max

6X more cycles

Other

LFP  
battery

3000+ times

500 times

The DELTA 2 Max features a durable LFP battery designed for over 3000 charge cycles, providing a 10-year lifespan.

## 7.2. Cleaning and Storage

Clean the unit with a dry, soft cloth. Do not use harsh chemicals or abrasive materials. Store the unit in a dry, well-ventilated area, away from extreme temperatures and direct sunlight.

## 8. TROUBLESHOOTING

- **Unit not turning on:** Ensure the battery is charged. Press and hold the main power button for a few seconds.
- **No output from ports:** Check if the specific output section (AC/DC/USB) is enabled. Ensure the device connected is within the power station's output limits.
- **Slow charging:** Verify the charging source (AC, solar, car) is providing sufficient power. Check cable connections. Adjust charging speed settings in the EcoFlow app.
- **Overload warning:** Disconnect some devices to reduce the load. The unit will automatically resume output once the overload is cleared.
- **App connectivity issues:** Ensure Bluetooth/Wi-Fi is enabled on your phone and the DELTA 2 Max. Restart both devices and try pairing again.

## 9. TECHNICAL SPECIFICATIONS

Feature	Specification
Brand	EF ECOFLOW
Model Name	DELTA2 Max (EFD350)
Capacity	2048 Wh
AC Output	2400W (Pure Sine Wave), 3400W with X-Boost
Battery Chemistry	LiFePO4 (LFP)
Cycle Life	3000 cycles to 80%+ capacity
AC Input	1800W Max
Solar Input	1000W Max, 11-60V, 15A
Car Charging Input	12V/24V, 8A
USB-A Output	2x 12W, 2x 18W Fast Charge
USB-C Output	2x 100W
DC5521 Output	2x 12.6V, 3A
Car Power Output	1x 12.6V, 10A
Dimensions (LWH)	12.2" x 9.7" x 20"
Weight	50 lbs

## 10. WARRANTY AND SUPPORT

The EF ECOFLOW DELTA 2 Max comes with an extended 5-year service warranty. For detailed warranty terms, technical support, or service requests, please refer to the official EF ECOFLOW website or contact their customer service directly. Ensure you retain your proof of purchase for warranty claims.