

EcoFlow Delta 2 Max Battery Facts



This section includes:

- An overview of the ports, buttons, and switches on the EcoFlow Delta 2 Max battery
- The features and specifications of the EcoFlow Delta 2 Max battery

Uninterrupted Power Supply (UPS) & Pass Through Power

Pass Through Power means that you can plug the battery into the wall, then plug your devices into the battery. The battery can charge itself and provide power to your devices at the same time.

UPS means that the battery will switch from wall power to the power backup system seamlessly when the power goes out.

Combined, these features mean that you can safely rely on the battery to provide power to essential medical devices during a power outage.

Eco-friendly

Unlike a back-up generator, a backup battery doesn't produce fumes or use a combustible engine.

Economical

The battery does not require much power to charge. It should add less than \$1.50 a month to your electricity bill to keep it plugged in and charged at all times.

Document last updated: 10/31/2024

Created by Cassandra Bowers



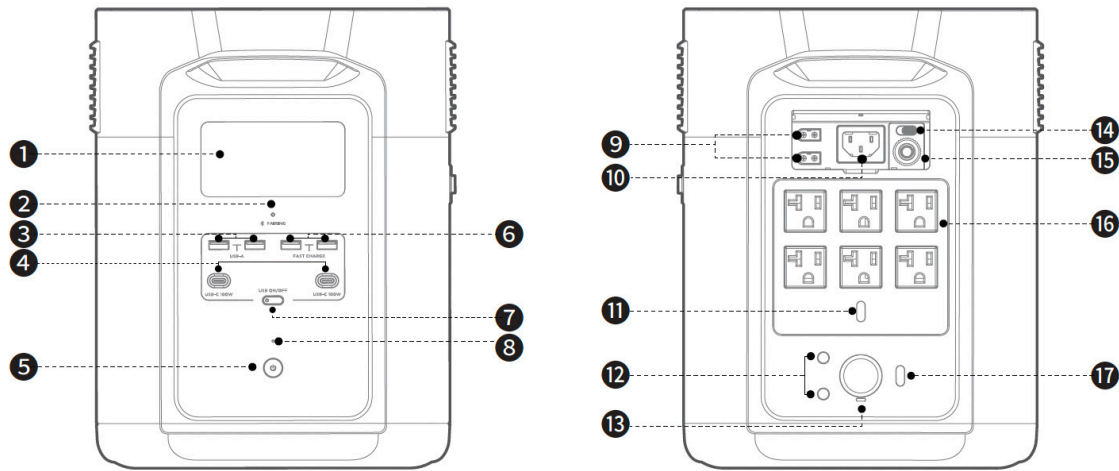
Center for Inclusive Design
and Engineering (CIDE)

UNIVERSITY OF COLORADO DENVER | ANSCHUTZ MEDICAL CAMPUS

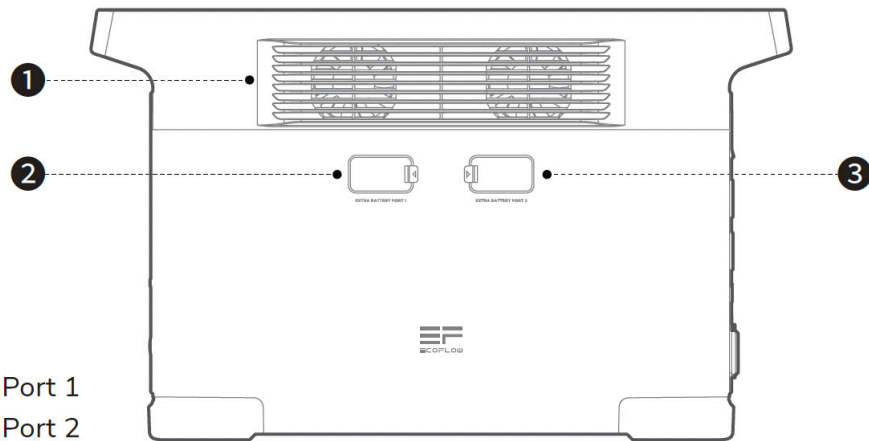


COLORADO
Department of Health Care
Policy & Financing

Battery Overview



- 1. LCD Screen:** Provides information about your battery
- 2. Bluetooth pairing indicator:** When flashing, the device is ready for Bluetooth pairing
- 3. USB-A output port:** Charges or powers smaller electronic devices like smartphones, tablets, and computers
- 4. USB-C output port:** These ports can charge and power devices that require more power than a USB-A port, like laptops
- 5. Main power button:** Turns the entire battery on and off
- 6. USB-A fast charging output port:** Powers smaller electronic devices like smartphones, tablets, and computers; can charge devices more quickly than standard USB-A ports
- 7. USB power button:** Turns the USB ports on and off
- 8. Main power indicator:** Light indicates whether the battery is on or off
- 9. Solar/car charging input port:** Allows you to charge the battery from a solar panel or car
- 10. X-Stream charging input port:** You can charge the battery by using this port and your AC cable to plug the battery into a standard wall socket
- 11. AC power button:** Turns the AC ports on and off
- 12. DC5521 output port:** This port powers any devices that require a DC5521 port
- 13. Car outlet port:** Powers any devices that use a car outlet (i.e., a cigarette lighter style charger)
- 14. AC charging speed switch:** This toggle controls how quickly your battery charges when plugged into a wall socket
- 15. Overload protection switch:** If the battery overloads, it will automatically shut itself off for safety purposes; if the battery overloads, you'll need to reset it to turn the battery back on
- 16. AC output sockets:** Functions like a standard wall outlet. You can use them to power most electronic devices
- 17. 12V DC power button:** Turns the DC ports on and off



1. Ventilator
2. Extra Battery Port 1
3. Extra Battery Port 2

- 1. Ventilator:** The battery will vent warm air through the ventilator to prevent overheating
- 2. Extra Battery Ports:** If you own multiple batteries and want to link them together, you can use these ports to do so

Features & Specs

Battery Features

Feature	Specs	What this means (plain language explanation)
Type of battery	LiFePO4 (Lithium Iron Phosphate)	As compared to other common types of power backup systems, this type of battery lasts longer and is more resilient, which is important in emergency situations.
Cycle life	3,000	This is the number of times the battery can be charged. This means the battery should last approximately 10 years.
Depth of discharge	100%	This is how much the battery can be drained without causing damage over time. You can safely fully drain the battery.
Stability	68-122 degrees Fahrenheit	This is how the battery performs at elevated temperatures: it does not overheat; not flammable. However, prolonged exposure to extreme temperatures can cause damage; store the battery in a cool and dry place when not in use.
Battery Management System (BMS)	N/A	The EcoFlow battery has extra safety features including; over-current, over-voltage, under-voltage, and over-temperature protection, and the cells come in an explosion-proof stainless steel casing.
Uninterrupted Power Supply (UPS)	N/A	The UPS feature means that the battery will switch from wall power to the power backup system seamlessly when the power goes out
App Control	EcoFlow App	App control is the ability to view and change settings on the power backup system from a mobile device
LCD Display	N/A	The LCD display provides information about the remaining battery capacity

Charging speeds

AC Wall Power	1800 watts	When plugged into a wall outlet, the battery should take 1.5 hours to fully charge.
Solar Panels	1600 watts	When plugged into a solar panel, the battery should take 2.5 hours to fully charge.
DC Charging (car battery)	120 watts	When plugged into a running car, the battery will take 20+ hours to fully charge (not recommended).
Wall + Solar combined charging	3400 watts	When plugged into both a wall outlet and a solar charger at the same time, the battery should take 1.1 hours to fully charge.

Outlets and ports for powering devices

AC Outlets	6 x 120V, 16.5A	AC outlets look and function like a standard wall outlet. You can use them to power most electronic devices.
USB Outlets	2 x 100 watt USB-C (Really Fast) 2 x 18 watt USB-A (Fast) 2 x 12w USB-A	USB ports are standard cable connections for charging and powering smaller electronic devices like smartphones, tablets, and computers.
DC Outlets	1 x 12V, 3A	DC outlets are a less standard outlet that can be used for specific devices.

Capacity & efficiency

Capacity	2048 watt hours	This is how much energy the battery can technically store.
Efficiency	1863 Wh (~88%)	This is the power the battery can actually provide. In other words, this is how much power you can expect to be able to use from a fully charged battery.
Power	2400 Watts	This is the amount of power output the battery can sustain until it runs out of charge.
Surge Power	4800 Watts	This is the maximum power output for short bursts. If the surge exceeds 4800 watts, the battery will automatically shut off.
Expandable	6,100 Wh	You can purchase and connect additional batteries to increase your total power capacity.