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› EF ECOFLOW DELTA 3 Portable Power Station User Manual

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Model: DELTA 3 | Brand: EF ECOFLOW

INTRODUCTION

The EF ECOFLOW DELTA 3 is a portable power station designed to provide reliable and efficient power for various applications, from outdoor adventures to home backup. Featuring a 1024 Wh capacity and advanced LiFePO4 battery cells, it offers rapid charging capabilities and a long lifespan. This manual provides essential information for the safe and effective use of your DELTA 3 power station.



The EF ECOFLOW DELTA 3 Portable Power Station, a compact and robust power solution.

SETUP

Before using your DELTA 3, please follow these initial setup steps:

1. **Unboxing:** Carefully remove the DELTA 3 from its packaging. Ensure all components listed in the packing list are present and undamaged.
2. **Initial Charge:** For optimal performance, fully charge the DELTA 3 before its first use. Connect the AC charging cable to a standard wall outlet. The unit will display its charging status.
3. **Placement:** Place the power station on a stable, flat surface in a well-ventilated area, away from direct sunlight, heat sources, and moisture.
4. **Power On:** Press and hold the main power button for a few seconds until the display screen illuminates.

OPERATING INSTRUCTIONS

Charging the DELTA 3

The DELTA 3 offers multiple charging options to suit your needs:

- **AC Charging (X-Stream Technology):** Connect the AC charging cable to a wall outlet. The DELTA 3 can charge from 0% to 100% in approximately 56 minutes, reaching 70% in just 30 minutes, thanks to its 1500W AC input.
- **Solar Charging:** Connect compatible solar panels (up to 500W) to the solar input port. The integrated MPPT controller optimizes charging, allowing a full charge in about 2 hours under ideal sunlight conditions.
- **Car Charging (Alternator):** Use the EcoFlow Alternator Charger (800W input) to charge the DELTA 3 from your vehicle's alternator. A full charge can be achieved in approximately 1.3 hours.
- **Combined Charging (AC + PV):** Combine AC and solar input for the fastest charging, reaching 100% in 56 minutes.
- **EcoFlow Smart Generator:** Connect to an EcoFlow Smart Generator for efficient and rapid charging, achieving 100% in 56 minutes.

Prête à l'emploi en seulement 30 min

100 % de charge en 56 minutes grâce à la
technologie X-Stream



80 % de charge en 40 min



100 % de charge en 56 min



Avec une puissance
d'entrée CA de 1 500 W



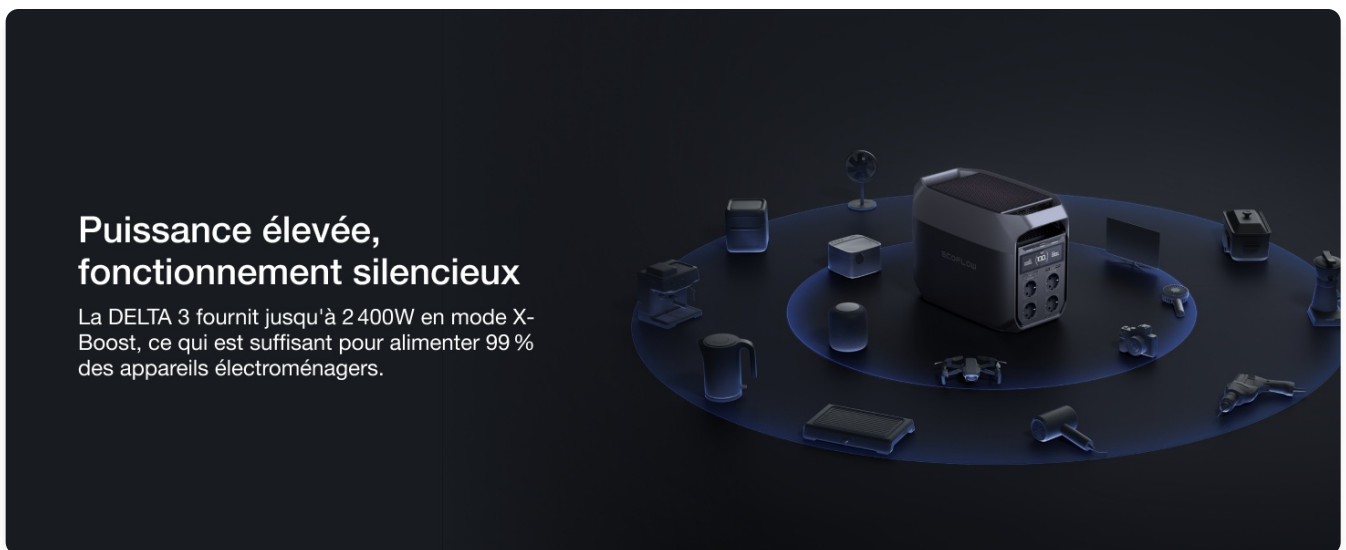
The DELTA 3 charging via AC, demonstrating its rapid charging capabilities: 80% in 40 minutes and 100% in 56 minutes with 1500W X-Stream input.



Équipée d'une entrée solaire avec technologie MPPT pouvant gérer jusqu'à 500 W, la DELTA 3 atteint une charge complète en seulement 2 heures

☞ 2 heures

The DELTA 3 connected to solar panels for efficient solar charging, achieving full charge in approximately 2 hours.



Puissance élevée, fonctionnement silencieux

La DELTA 3 fournit jusqu'à 2400W en mode X-Boost, ce qui est suffisant pour alimenter 99 % des appareils électroménagers.

The DELTA 3 charging from a car's alternator, providing a full charge in about 1.3 hours.



Alimentation sans interruption grâce à un temps de transfert inférieur à 10 ms

En cas de panne de courant, la DELTA 3 passe à l'alimentation par batterie en moins de 10 ms, assurant le fonctionnement ininterrompu des ordinateurs, serveurs NAS et imprimantes 3D.

The DELTA 3 connected to an EcoFlow Smart Generator for rapid and reliable power replenishment.

Powering Your Devices

The DELTA 3 provides a robust 1800W output and up to 3600W peak power, capable of powering demanding appliances. With X-Boost technology, it can support devices requiring over 2400W continuously.

- **Multiple Outputs:** The unit features 11 output ports, allowing you to power multiple devices simultaneously.
- **X-Boost Feature:** Automatically adjusts voltage and current to power high-wattage appliances safely.

Compatible avec 99 % des appareils électroménagers

Avec 1 800 W de puissance de sortie et 3 600 W de puissance crête, elle peut alimenter les appareils les plus énergivores.

X-BOOST | Jusqu'à 2 400 W



Machine à café

0,8h



Réfrigérateur

7-14h



Téléviseur

8h



Téléphone

89 fois

The DELTA 3 powering various household appliances, demonstrating compatibility with 99% of devices. Examples include a coffee machine (0.8h), refrigerator (7-14h), television (8h), and phone (89 charges).



Technologie de protection de batterie X-Guard

Plus de 40 mesures de protection contre les risques liés au courant, à la tension, à la température et aux circuits. Le système de gestion intelligent et la protection contre la propagation de l'emballement thermique empêchent les explosions et les incendies, garantissant une sécurité maximale.



The DELTA 3 providing high power output to multiple devices, illustrating its versatility and X-Boost capability up to 2400W.

Output Ports Overview

The DELTA 3 features a comprehensive array of output ports:

- 4 AC Outlets (1800W total)
- 2 USB-A Ports (18W total)
- 2 USB-C Ports (100W total)
- 1 Car Power Outlet (12.6V, 10A, 126W max)
- 2 DC5521 Outputs (12.6V, 3A max)

Design compact

Alimentez plusieurs appareils simultanément
avec 11 sorties.



A detailed view of the DELTA 3's compact design, highlighting its 11 output ports including AC, USB-A, USB-C, car power, and DC5521 outlets.

Ultra-Silent Operation

When the output power is below 600W, the DELTA 3 operates at an ultra-low noise level of 30 dB, making it virtually inaudible and suitable for quiet environments like bedrooms or tents.

Fonctionnement ultra-silencieux à 30 dB

Lorsque sa puissance de sortie est inférieure à 600 W, la DELTA 3 est complètement inaudible et son niveau sonore se fond dans le bruit ambiant naturel.



The DELTA 3 operating quietly in a bedroom setting, demonstrating its ultra-silent performance at 30 dB.

Smart Energy Management

The DELTA 3 incorporates an intelligent energy management system:

- **HP/HC Mode:** Optimized for peak and off-peak hours, intelligently managing charging and discharging to reduce electricity bills.
- **Weather Alert Mode:** Provides timely alerts for adverse weather conditions.
- **Uninterruptible Power Supply (UPS):** With a transfer time of less than 10ms, the DELTA 3 ensures continuous power to

Temps de transfert inférieur à **10ms**

En cas de panne de courant, la DELTA 3 active instantanément l'alimentation de secours, garantissant ainsi une alimentation continue pour vos appareils essentiels.



The DELTA 3 providing backup power to a computer setup, illustrating its less than 10ms transfer time for uninterrupted operation during power failures.

Expandable Capacity

The DELTA 3's capacity can be expanded up to 5 kWh by connecting additional DELTA Pro 3, DELTA 2 Max, or DELTA 2 extra batteries.

Capacité extensible jusqu'à 5 kWh



Batterie
supplémentaire
DELTA 3
1 kWh



Batterie
supplémentaire
DELTA 2
1 kWh



Batterie
supplémentaire
DELTA 2 Max
2 kWh



Batterie
supplémentaire
DELTA Pro 3
4 kWh

The DELTA 3 stacked with an extra battery, demonstrating its expandable capacity up to 5 kWh with compatible DELTA series batteries.

Portability

With dimensions of 20L x 28.4W x 39.8H cm and a weight of 12.5 kg, the DELTA 3 is designed for portability, making it easy to transport for various uses.



A woman carrying the DELTA 3, highlighting its compact and portable design for easy transport.

MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your DELTA 3:

- **Battery Longevity:** The DELTA 3 uses third-generation LiFePO4 cells, retaining at least 80% of its original capacity after 4,000 charge cycles, offering up to 10 years of daily use.
- **Storage:** Store the unit in a cool, dry place, ideally between 0°C and 45°C (32°F and 113°F). If storing for extended periods, charge the unit to 60% every 3 months to preserve battery health.
- **Cleaning:** Use a dry, soft cloth to clean the exterior. Do not use harsh chemicals or immerse the unit in water.
- **Environmental Protection (IP65):** The DELTA 3 is IP65 certified, providing resistance against splashes and dust, ensuring reliability in various environments.
- **Advanced Battery Management System (BMS) with X-Guard:** The integrated BMS with X-Guard technology provides over 40 protection measures against current, voltage, temperature, and circuit risks, preventing explosions and fires for maximum safety.

Conception robuste et durable

La batterie conserve au moins 80 % de sa capacité initiale au bout de 4 000 cycles de charge, offrant jusqu'à 10 ans d'utilisation quotidienne, soit 25 % de plus que les batteries standard.



LiFePO₄
de 3^e génération



Indice de protection
IP65



Garantie de
5 ans

Durée de vie de
10 ans



BMS

capitalize technologie de
protection de batterie
X-Guard



The DELTA 3's robust and durable design, featuring LiFePO₄ cells for a 10-year lifespan and IP65 certification.

L'EcoFlow DELTA 3 intègre 11 sorties dans un design compact

La DELTA 3 alimente davantage d'appareils en même temps, même dans les espaces restreints, tout en étant 5 % plus compacte que l'EcoFlow DELTA 2.



An illustration of the DELTA 3's X-Guard battery protection technology, highlighting its comprehensive safety features.

TROUBLESHOOTING

If you encounter issues with your DELTA 3, refer to the following common problems and solutions:

- **Unit Not Turning On:**
 - Ensure the battery is charged. Connect to an AC outlet for at least 30 minutes.
 - Press and hold the main power button firmly for 3-5 seconds.
- **Rapid Discharge While Idle:**
 - Even in standby, some power stations may experience a slight self-discharge. However, significant discharge (e.g., 33% in three days) may indicate an issue.
 - Ensure all output ports are turned off when not in use.
 - Check for any connected devices that might be drawing minimal power even when off.
 - If the issue persists, contact customer support.
- **Devices Not Charging/Powering:**
 - Verify the DELTA 3 has sufficient charge.
 - Ensure the specific output port (AC, USB, DC) is turned on.
 - Check if the device's power requirement exceeds the DELTA 3's output capacity or the specific port's limit.
 - Try a different port or cable.
- **Overload Warning:**
 - If an overload warning appears, disconnect some devices to reduce the load.
 - The X-Boost feature helps with high-wattage devices, but continuous overload can trigger protection.

For issues not covered here, please refer to the official EcoFlow support resources.

SPECIFICATIONS

Feature	Specification
Brand	EF ECOFLOW

Model Name	DELTA 3
Capacity	1024 Wh
Battery Type	LiFePO4 (Lithium Iron Phosphate)
AC Output Power	1800 Watts (Pure Sine Wave)
Peak Power	3600 Watts
X-Boost Output	Up to 2400 Watts
AC Input Power	1500 Watts (X-Stream Fast Charge)
Solar Input	500 Watts Max (MPPT)
Alternator Input	800 Watts Max
Total Electrical Outlets	11
Noise Level	30 dB (at <600W output)
Transfer Time (UPS)	<10 ms
Expandable Capacity	Up to 5 kWh
Lifespan	4000 cycles to 80%+ capacity (approx. 10 years)
Protection Rating	IP65 (Splash and Dust Resistant)
Dimensions (L x W x H)	20L x 28.4W x 39.8H cm
Weight	12.5 kg
Material Type	Metal (steel/aluminum) and plastics
UPC	842783154996

WARRANTY

The EF ECOFLOW DELTA 3 Portable Power Station comes with a **5-year warranty**. Please retain your proof of purchase for warranty claims. For detailed terms and conditions, refer to the official EcoFlow website or contact customer support.

SUPPORT

For further assistance, technical support, or to purchase accessories, please visit the official EF ECOFLOW website or contact their customer service department. You can often find FAQs, user guides, and contact information on their support pages.

Online Resources:

- Official EcoFlow Website: www.ecoflow.com (General link, please refer to your region's specific site)
- Product Support Page: Look for the DELTA 3 model on the EcoFlow support section.

Always ensure you are referring to the most up-to-date information provided by the manufacturer.

