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EF ECOFLOW EF-RV-H02-1

EF ECOFLOW Portable Power Station River 3 Plus with EB600 Extra Battery Instruction Manual

Model: EF-RV-H02-1

INTRODUCTION

This manual provides essential information for the safe and efficient operation, setup, and maintenance of your EF ECOFLOW River 3 Plus Portable Power Station and its accompanying EB600 Extra Battery.

Please read this guide thoroughly before using the product to ensure optimal performance and longevity.



The EF ECOFLOW River 3 Plus portable power station with the EB600 extra battery, showcasing its compact design and expandable capacity.

PRODUCT OVERVIEW

The EF ECOFLOW River 3 Plus is a versatile portable power station designed to provide reliable power for various devices. When combined with the EB600 Extra Battery, its capacity expands significantly, offering extended runtime. Key features include:

- **Expandable Capacity:** From 286Wh (River 3 Plus) to 858Wh (with EB600).
- **High Power Output:** Up to 1200W with X-Boost technology, featuring 3 UPS-supported AC outlets, 2 USB-A, a high-speed USB-C, and a car charger output.
- **Ultra-Fast Charging:** AC charging from 0-100% in just 1 hour with X-Stream technology.
- **Solar Recharging:** Recharge in as little as 1.5 hours with a 220W solar input.
- **Uninterruptible Power Supply (UPS):** Less than 10ms switchover for critical devices.
- **LiFePO4 Battery:** Long lifespan of 3000+ charging cycles to 80% capacity.
- **Quiet Operation:** Operates at less than 30 dB, ensuring minimal disturbance.
- **Smart App Control:** Monitor and control the unit remotely via Bluetooth and Wi-Fi.

RIVER 3 Plus (286Wh) + Extra Battery EB600 (572Wh) = RIVER 3 Max Plus (858Wh)

600W (X-boost 1200W)



The River 3 Plus power station combined with the EB600 extra battery, illustrating its expanded capacity and power output for various devices.

SETUP

Unboxing and Initial Inspection

Upon receiving your EF ECOFLOW River 3 Plus and EB600 Extra Battery, carefully unbox all components and inspect for any damage. The box should contain:

- RIVER 3 Plus 286Wh portable power station
- EB600 572Wh extra battery
- AC charging cable
- Car charging cable
- EcoFlow USB-B to USB-A UPS communication cable
- User manual

Connecting the EB600 Extra Battery

The EB600 Extra Battery connects seamlessly to the River 3 Plus using Pogo Pin technology, eliminating

the need for additional cables or screws. Simply align the two units and gently press them together until they securely clip.



Visual guide demonstrating the simple Pogo Pin connection process to expand the power station's capacity.

EXPAND CAPACITY IN A SECOND

With Pogo Pin technology, you can connect RIVER 3 Plus with an Extra Battery in seconds without cables or screws.



The EB600 Extra Battery features an additional 140W USB-C port for enhanced input and output options.

Initial Charging

Before first use, it is recommended to fully charge your River 3 Plus and EB600 Extra Battery. Multiple charging options are available:

- **AC Charging:** Connect the AC charging cable to a standard wall outlet. The unit will charge from 0-100% in approximately 1 hour using X-Stream technology.
- **Solar Charging:** Connect compatible solar panels (up to 220W input) to the unit. A full charge can be achieved in as little as 1.5 hours under optimal sunlight conditions.
- **Car Charging:** Use the provided car charging cable to charge the unit from your vehicle's 12V outlet.

0-100% FAST CHARGING IN 1 HOUR

No battery damage with vehicle-grade cells and trickle charge technology



The River 3 Plus supports 1-hour fast AC charging (0-100%) using X-Stream technology, ensuring quick readiness.

OPERATING INSTRUCTIONS

Powering On/Off

To power on the River 3 Plus, press and hold the main power button until the display illuminates. To power off, press and hold the same button until the display turns off.

Using AC Outlets

The River 3 Plus provides a steady 600W output, with X-Boost technology allowing it to power devices up to 1200W. It features 3 UPS-supported AC outlets. Press the AC ON/OFF button to activate the AC outputs.

USB Ports

Utilize the 2 USB-A ports and the high-speed USB-C port for charging various portable electronic devices. The EB600 Extra Battery also offers an additional 140W USB-C port.

UPS Functionality

For critical devices, the River 3 Plus offers an Uninterruptible Power Supply (UPS) function with a less than 10ms switchover time. This protects your equipment from power surges and outages. The unit provides LED, app, and software alerts, and supports automatic data saving on low battery for PC/NAS-compatible interfaces.



The power station provides seamless UPS protection for home office and gaming setups, with quick auto-switching.

Smart App Control

Download the user-friendly EcoFlow app to connect to your River 3 Plus via Bluetooth or Wi-Fi. The app allows for remote control and offers personalized charging options such as speed control, timed charging, power-saving mode, and low-battery notifications.

Quiet Operation

Thanks to X-Quiet technology, the River 3 Plus operates at a low noise level of less than 30 dB, comparable to a library environment. This ensures quiet operation even when placed close by.

<30 DB WHISPER QUIET

Experience the tranquility of a library with RIVER 3 Plus, featuring X-Quiet technology. At just under **30 dB**, it's as peaceful as a whisper, even at a close distance of 1.6 ft.



The River 3 Plus operates quietly, making it suitable for use in bedrooms or quiet environments.

MAINTENANCE

Battery Care

The River 3 Plus utilizes a LiFePO4 battery, known for its long lifespan of 3000 charging cycles before its capacity drops to 80%. This translates to approximately 10 years of everyday use. To maximize battery life, avoid prolonged periods of 0% charge.

Storage

Store the unit in a cool, dry place away from direct sunlight and extreme temperatures. Ensure proper ventilation around the unit during operation and storage.

Safety and Durability

The battery pack has an IP54 rating, offering protection against dust intrusion and water splashing. The robust fire-retardant shell is designed to withstand rough conditions, including drops from up to 3 feet (1.5 m) without damage.

2X RUNTIME FOR <100W APPLIANCES

Industry-leading GaN technology

For 3W lights or a Wi-Fi router

18.8 hr
Industry Standard (286Wh)

35 hr
RIVER 3 Plus (286Wh)



The power station features a durable, fire-retardant shell and IP54-rated battery protection for enhanced safety and longevity.

TROUBLESHOOTING

If you encounter any issues with your River 3 Plus, please refer to the following general troubleshooting tips:

- **Unit Not Powering On:** Ensure the battery is sufficiently charged. Try connecting to an AC outlet to charge.
- **Charging Issues:** Verify all cables are securely connected. Check the power source (wall outlet, solar panel, car charger) for proper function.
- **Device Not Receiving Power:** Ensure the specific output port (AC, USB) is activated. Check the device's power requirements against the unit's output capacity.
- **Overload Protection:** If an overload occurs, the unit may shut down. Disconnect the overloaded device and restart the power station.

For detailed error codes or persistent problems, consult the EcoFlow app for specific alerts or refer to the comprehensive user manual included in the box.

SPECIFICATIONS

Feature	Specification
Product Dimensions	8.8 x 5.7 x 9.2 inches
Item Weight	18.48 pounds
Battery Capacity	286Wh (expandable to 858Wh with EB600)
AC Output	600W (1200W X-Boost)
UPS Switchover Time	<10 ms
Charging Cycles	3000+ to 80% capacity
AC Charging Time (0-100%)	1 hour
Solar Charging Time (0-100%)	1.5 hours (with 220W solar input)
Noise Level	<30 dB
Battery Type	LiFePO4
IP Rating	IP54 (battery pack)
Model Number	EF-RV-H02-1

WARRANTY AND SUPPORT

The EF ECOFLOW River 3 Plus and EB600 Extra Battery come with a 5-year service warranty, ensuring peace of mind for your investment.

For any technical assistance, warranty claims, or further inquiries, please refer to the contact information provided in the user manual included with your product or visit the official EF ECOFLOW support website.