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› EF ECOFLOW Smart Home Panel 2 User Manual

## EF ECOFLOW EFPD303

# EF ECOFLOW Smart Home Panel 2 User Manual

Model: EFPD303

## 1. INTRODUCTION

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The EF ECOFLOW Smart Home Panel 2 serves as the central hub for your whole-home backup power solution. Designed for seamless integration with EF ECOFLOW DELTA Pro Ultra and DELTA Pro 3 power stations, this panel enables comprehensive energy management, ensuring your home remains powered during outages and optimizes energy consumption from various sources.



Figure 1: EF ECOFLOW Smart Home Panel 2. This image displays the front view of the Smart Home Panel 2, highlighting its sleek design and connection ports at the bottom.

## 2. SETUP

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Installation of the Smart Home Panel 2 requires professional electrical expertise to ensure safety and compliance with local electrical codes. It is recommended to consult a certified electrician for the installation process.

### 2.1. System Components

- EF ECOFLOW Smart Home Panel 2
- Compatible EF ECOFLOW DELTA Pro Ultra or DELTA Pro 3 Power Station(s)
- EF ECOFLOW Extra Batteries (optional, for expanded capacity)
- Necessary wiring and mounting hardware (provided with the unit or by installer)

### 2.2. Physical Installation

The Smart Home Panel 2 is typically mounted on a wall in a suitable location, such as a garage or utility room, near your main electrical panel. Connections are made to your home's circuits and the compatible power station(s).



Figure 2: Modular Design with Stackable Batteries. This image illustrates the modular design of the system, showing the Smart Home Panel 2 connected to multiple stackable DELTA Pro Ultra batteries, allowing for scalable energy storage.

### 2.3. Initial Configuration (EcoFlow App)

After physical installation, download the EcoFlow App from your device's app store. The app guides you through the initial setup, including connecting the Smart Home Panel 2 to your home network and configuring circuit priorities. Firmware updates are also managed through the app.

# Leave the power prep to the pro

EcoFlow App

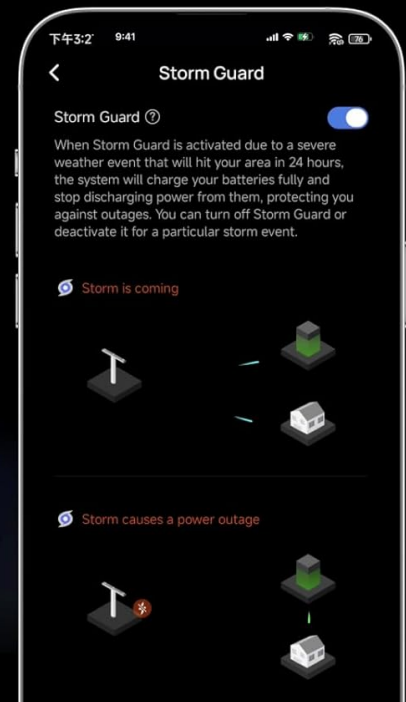


Figure 3: EcoFlow App Interface. This image shows the EcoFlow mobile application, which allows users to monitor and control their Smart Home Panel 2 and connected power stations.

## 3. OPERATING THE SMART HOME PANEL 2

The Smart Home Panel 2 provides intelligent energy management and seamless power backup for your home.

### 3.1. Automatic Switchover (UPS Functionality)

In the event of a power outage, the Smart Home Panel 2 features a 20-millisecond (ms) auto-switchover. This near-instantaneous transition ensures that connected critical circuits remain powered without interruption, providing an Uninterruptible Power Supply (UPS) for your essential appliances.

# 20-ms Auto-Switchover

Ensures your home remains powered even when you're away



Figure 4: 20-ms Auto-Switchover in a Home Setting. This image depicts a house at night, with lights on, illustrating the seamless power transition provided by the 20-ms auto-switchover feature during an outage.

## Uninterruptible Power Supply

Online UPS with 0-ms switchover provides 24/7 protection against power failures.

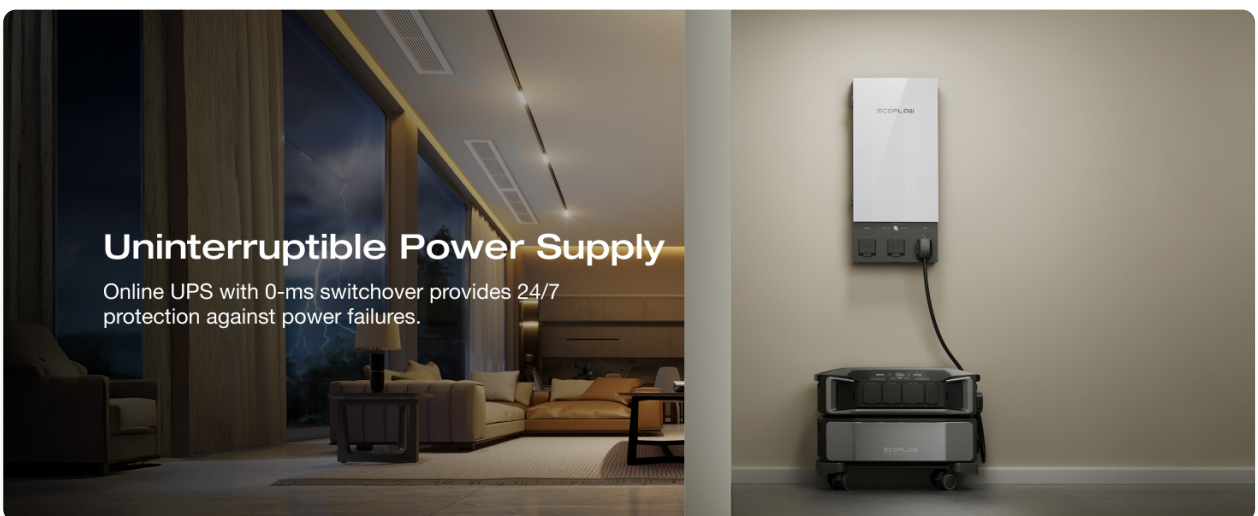


Figure 5: Uninterruptible Power Supply Setup. This image shows the Smart Home Panel 2 installed on a wall, connected to a power station, emphasizing its role in providing continuous power.

### 3.2. Smart Energy Management

The panel intelligently manages multiple energy sources, including solar and gas generators, in conjunction with your power station. This allows for cost-effective energy usage, reducing reliance on the grid during peak hours and ensuring continuous power during extended outages.



# Smart Energy Management

Compatible with solars and gas generators

Figure 6: Smart Energy Management with Solar and Gas Generators. This image illustrates the Smart Home Panel 2 system integrating with solar panels and a gas generator, showcasing its versatile energy management capabilities.

### 3.3. Circuit Prioritization (EcoFlow App)

Through the EcoFlow App, you can prioritize specific circuits in your home. This feature allows you to allocate backup power more efficiently, ensuring essential appliances receive power for longer durations during an outage.

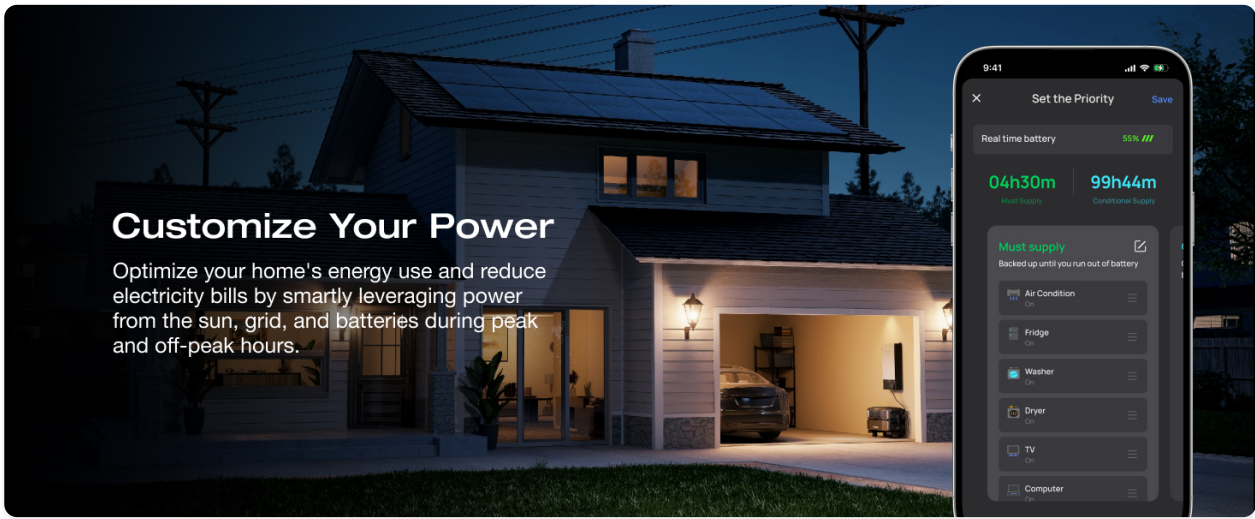


Figure 7: Customize Your Power with EcoFlow App. This image shows the EcoFlow app interface on a smartphone, demonstrating how users can customize and prioritize power distribution to different circuits in their home.

### 3.4. Quiet Operation

The system is designed for quiet operation, especially when drawing less than 2000W. This ensures minimal noise disruption in your home environment.



Figure 8: Quiet Operation of Power Station. This image shows a dog sleeping peacefully next to the power station, illustrating the quiet operation of the system under 2000W.

### 3.5. Official Product Video

Video 1: Whole House Generator 6kWh. This video provides a comprehensive overview of the EF ECOFLOW whole-home backup system, demonstrating its features, installation, and seamless operation during power outages, including the integration of the Smart Home Panel 2.

## 4. MAINTENANCE

To ensure optimal performance and longevity of your Smart Home Panel 2, regular maintenance is recommended:

- **Keep Clean:** Periodically wipe down the exterior of the panel with a dry, soft cloth. Ensure ventilation

openings are free from dust and debris.

- **Check Connections:** Annually, have a qualified electrician inspect all electrical connections to ensure they are secure.
- **Firmware Updates:** Regularly check for and install firmware updates via the EcoFlow App. These updates often include performance improvements and new features.

## 5. TROUBLESHOOTING

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If you encounter issues with your Smart Home Panel 2, consider the following basic troubleshooting steps:

- **No Power to Circuits:** Verify that the connected power station(s) are charged and operational. Check the EcoFlow App for any error messages or circuit status indicators.
- **App Connectivity Issues:** Ensure your smartphone and the Smart Home Panel 2 are connected to a stable Wi-Fi network. Restart the app and, if necessary, the panel.
- **Unusual Noises or Smells:** Immediately disconnect power to the unit and contact customer support. Do not attempt to open or repair the unit yourself.

For complex issues, refer to the detailed troubleshooting guide within the EcoFlow App or contact EF ECOFLOW customer support.

## 6. SPECIFICATIONS

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Feature	Specification
Brand	EF ECOFLOW
Model Name	EFPD303
Product Dimensions	24.8"L x 14.9"W x 6.7"H
Item Weight	40 Pounds
Power Source Compatibility	Multiple Power Sources (Solar, Gas, Grid)
AC Output (Single Unit)	7200W
Voltage Compatibility	120V & 240V
Battery Type	Long-life LFP batteries (when paired with compatible power stations)
Battery Capacity (per pack)	6kWh (expandable up to 90kWh)
Switchover Time	20ms (Uninterruptible Power Supply)
Cooling Technology	X-Cooling Structure

## 7. WARRANTY AND SUPPORT

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The EF ECOFLOW Smart Home Panel 2 comes with a **5-year warranty**, ensuring peace of mind regarding its quality and performance. For any technical assistance, warranty claims, or general inquiries, please contact EF ECOFLOW customer support through their official website or the EcoFlow App.

For additional resources and frequently asked questions, visit the official EF ECOFLOW support page:

[www.ecoflow.com](http://www.ecoflow.com)