EcoVolt P2001 Plus

EcoVolt IEE P3200 Power Station User Manual

Model: P2001 Plus

Introduction | Safety Instructions | Product Overview | Setup | Operating Instructions | Maintenance | Troubleshooting | Specifications | Warranty & Support

1. Introduction

Thank you for choosing the EcoVolt IEE P3200 Power Station. This comprehensive solar generator system, featuring a 2048Wh capacity and three 200W solar panels, is designed to provide reliable power for various applications, including home backup, outdoor camping, and RV use. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your power station.

2. Safety Instructions

Please read all safety instructions carefully before using the EcoVolt IEE P3200 Power Station. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- Do not disassemble, repair, or modify the unit. Incorrect reassembly may cause fire or electric shock.
- Do not expose the unit to fire or direct heat.
- Do not use or store the unit in high-temperature environments, such as direct sunlight or inside a vehicle in hot weather.
- Do not use or store the unit in wet conditions or near water.
- Keep the unit away from children and pets.
- Ensure proper ventilation during use to prevent overheating. Do not block ventilation openings.
- Use only original or certified charging cables and accessories.
- If the unit emits smoke, strange odors, or makes unusual noises, stop using it immediately and contact customer support.

- Dispose of the unit and its battery according to local regulations.

3. Product Overview

The EcoVolt IEE P3200 Power Station is a robust portable power solution. Below is an overview of its main components and ports.



Figure 3.1: EcoVolt IEE P3200 Power Station with accompanying solar panels and mobile app interface. The power station features multiple AC outlets, car sockets, USB ports, and a digital display.

3.1. Main Components

- **Digital Display Screen:** Shows battery level, input/output power, remaining charge/discharge time, and error indicators.
- **AC Outlets:** Multiple standard AC outlets for powering household appliances.
- **USB Ports:** Various USB-A and USB-C ports for charging mobile devices.
- **Car Sockets:** Two 12V DC car sockets for automotive accessories.
- **Input Ports:** Dedicated ports for AC charging, solar charging (PV), and car charging.
- **Retractable Handle & Wheels:** For easy portability.

- **Cooling Vents:** Essential for heat dissipation during operation.

3.2. Package Contents

Please check that all the following items are included in your package:

- EcoVolt IEE P3200 Power Station
- 3 x 200W Foldable Solar Panels
- AC Charging Cable
- Car Charging Cable
- Solar Charging Cable (MC4 to XT60 or similar)
- User Manual (this document)

4. Setup

4.1. Initial Charging

Before first use, it is recommended to fully charge the power station. This helps to calibrate the battery management system and ensures optimal performance.

1. Connect the AC charging cable to the AC input port on the power station.
2. Plug the other end of the AC charging cable into a standard wall outlet (100-120V AC).
3. The display will show "AC Charging Input Power" and the charging icon. The unit will automatically stop charging when full.

4.2. Connecting Solar Panels

The EcoVolt IEE P3200 supports solar charging for off-grid power generation.

1. Unfold the solar panels and place them in direct sunlight, ensuring no shadows fall on the panels.
2. Connect the solar charging cable (MC4 connectors) from the solar panels to the PV input port on the power station.
3. The display will show "PV Charging Input Power" and the charging icon, indicating solar input.
4. For optimal charging, adjust the angle of the solar panels throughout the day to maximize sun exposure.

4.3. APP Control Setup

The power station can be controlled and monitored via a dedicated mobile application.

1. Download the "EcoVolt" or "IEE" app from your smartphone's app store (iOS or Android).
2. Ensure Bluetooth and/or Wi-Fi is enabled on your smartphone.
3. Open the app and follow the on-screen instructions to pair with your P3200 Power Station.
4. Once connected, you can monitor battery status, control output ports, and view charging/discharging data remotely.

5. Operating Instructions

5.1. Turning On/Off

- To turn on the power station, press and hold the main power button for a few seconds until the display illuminates.

- To turn off the power station, press and hold the main power button again until the display turns off.

5.2. Using AC Outlets

- Press the "AC ON/OFF" button to activate the AC outlets. The AC icon will appear on the display.
- Plug your AC appliances into the available AC outlets.
- Ensure the total power consumption of your devices does not exceed the rated output of the power station.
- Press the "AC ON/OFF" button again to turn off the AC outlets when not in use to conserve power.

5.3. Using DC and USB Outputs

- The DC (Car Socket) and USB outputs are typically active once the unit is powered on. Refer to the display for their status.
- Plug your DC-powered devices into the car sockets or your USB devices into the USB-A/USB-C ports.
- Some USB ports may support fast charging protocols; check the port labels for specific capabilities.

5.4. Monitoring the Display

The digital display provides real-time information:

- **Battery Level:** Indicated by a percentage and a battery icon.
- **Input Power:** Shows the current wattage being drawn from AC or PV sources.
- **Output Power:** Displays the total wattage being consumed by connected devices.
- **Remaining Time:** Estimates the time until the battery is full (charging) or empty (discharging), based on current power flow.
- **Warning Indicators:** Icons for overheating, overload, low battery, etc.

6. Maintenance

Proper maintenance ensures the longevity and optimal performance of your EcoVolt IEE P3200 Power Station.

- **Cleaning:** Use a soft, dry cloth to wipe the surface of the unit. Do not use abrasive cleaners or solvents. Keep ventilation openings clear of dust and debris.
- **Storage:** If storing for extended periods, charge the unit to approximately 50-80% every 3-6 months to preserve battery health. Store in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery Care:** Avoid fully discharging the battery frequently. While the unit has protection mechanisms, maintaining a charge above 20% when possible can extend battery lifespan.
- **Solar Panels:** Keep solar panels clean from dirt, dust, and snow to ensure maximum efficiency.

7. Troubleshooting

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

Problem	Possible Cause	Solution
Unit does not turn on.	Battery is completely depleted; power button not pressed long enough.	Charge the unit via AC adapter; press and hold the power button for 3-5 seconds.

Problem	Possible Cause	Solution
AC outlets not working.	AC output not enabled; overload protection activated.	Press the "AC ON/OFF" button; reduce connected load, then restart AC output.
Solar charging not working.	Insufficient sunlight; incorrect panel connection; faulty cable.	Ensure panels are in direct sunlight and clean; check cable connections; test with another cable if possible.
App cannot connect to the unit.	Bluetooth/Wi-Fi off; unit not in pairing mode; app version outdated.	Ensure Bluetooth/Wi-Fi is on; restart the unit and app; update the app to the latest version.
Unit is overheating.	Blocked ventilation; excessive load.	Ensure vents are clear; reduce connected load; move to a cooler environment.

If the problem persists after trying these solutions, please contact EcoVolt customer support.

8. Specifications

Feature	Detail
Model Number	P2001 Plus
Battery Capacity	2048Wh (20000 Milliamp Hours)
Brand	EcoVolt
Product Dimensions	18 x 19 x 15 inches
Special Features	Fast Charging, APP Control
Other Display Features	Wireless
Connector Type	USB Type C
Voltage	100V
Manufacturer	Shenzhen Yunji New Energy Technology Co., Ltd
Date First Available	July 16, 2025

9. Warranty & Support

9.1. Warranty Information

The EcoVolt IEE P3200 Power Station comes with a standard manufacturer's warranty. Please refer to the warranty card included in your package or visit the official EcoVolt website for detailed terms and conditions regarding coverage, duration, and claims process. This warranty typically covers defects in materials and workmanship under normal use.

9.2. Customer Support

For technical assistance, troubleshooting, or warranty claims, please contact EcoVolt customer support. Have your

product model number (P2001 Plus) and purchase information ready when contacting support.

- **Website:** Visit the official EcoVolt website (refer to packaging or product registration for URL).
- **Email:** Check the warranty card or website for customer support email address.
- **Phone:** Check the warranty card or website for customer support phone number.

Note: Do not attempt to repair the unit yourself. Unauthorized repairs will void the warranty.

© 2025 EcoVolt. All rights reserved.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question