

EcoVolt P3200

EcoVolt P3200 Portable Power Station and 200W Solar Panel User Manual

Model: P3200 | Brand: EcoVolt

1. INTRODUCTION

This manual provides essential instructions for the safe and efficient operation of your EcoVolt P3200 Portable Power Station and accompanying 200W Solar Panel. Please read this manual thoroughly before use and retain it for future reference.

1.1 Safety Precautions

- Do not disassemble, repair, or modify the unit.
- Keep the unit away from fire or direct heat sources.
- Avoid exposure to water or high humidity.
- Do not use or store the unit in areas with high temperatures or direct sunlight.
- Ensure proper ventilation during use and charging.
- Keep out of reach of children and pets.
- Use only approved accessories and charging cables.

2. WHAT'S IN THE BOX

Verify that all items listed below are included in your package:

- EcoVolt P3200 Portable Power Station x 1
- AC Charging Cable x 1
- Car Charging Cable x 1
- Solar Charging Cable x 1
- User Manual x 1
- 4-in-1 Charging Cable x 1
- 200W Solar Panel x 1 (if purchased as a bundle)



Image: Package contents for the EcoVolt P3200 Portable Power Station.

3. PRODUCT OVERVIEW AND KEY FEATURES

3.1 Portability and Design

The EcoVolt P3200 is designed for ease of transport, featuring a horizontal ergonomic pull rod and a dual wheeling system. Weighing approximately 24kg (52lb), its compact dimensions (Length: 44.5cm, Width: 29.8cm, Height: 36.7cm) make it suitable for various applications.

Upgraded **2048Wh** Power Station

Generator upgraded to **3200W (6400W Peak)** Output for You



*Outdoor universal power supply, Supports more than 99% of electrical appliances

Image: The EcoVolt P3200 featuring its pull handle and wheels for easy transport.

3.2 High Capacity and Output

The P3200 offers a 2048Wh capacity and a 3200W (6400W peak) output, capable of powering over 99% of common home appliances. This makes it ideal for home backup, outdoor activities, and RV travel.

Harnessing Green Solar Energy

Save on your electricity bills



0 to 100%
in **2.3 hours.**



Max. **1000W**
Solar input



Image: The P3200 power station in an outdoor setting, demonstrating its use for powering appliances.

3.3 LiFePO4 Battery Technology

Equipped with a Lithium Iron Phosphate (LiFePO4) battery, the P3200 offers an extended lifespan of over 4000 charge/discharge cycles to 80% capacity, lasting significantly longer than conventional batteries. A Battery Management System (BMS) monitors cell voltage and temperature for safety and optimal performance.



Image: Internal view illustrating the LiFePO4 battery cells and their arrangement.

3.4 Multiple Output Ports

The power station features 16 versatile output ports to accommodate a wide range of devices simultaneously:

- 4 x AC Outlets (3200W total)
- 4 x USB-A Ports (30W each)
- 4 x Type-C PD Ports (2x 100W, 2x 30W)
- 2 x Cigar Lighter Ports
- 2 x DC5525 Ports

Packing List

- 1 P3200*1
- 2 AC Charging Cable*1
- 3 Car Charging Cable*1
- 4 Solar Charging Cable*1
- 5 User Manual *1
- 6 Four-in-one data cable*1



Image: Detailed view of the P3200's output interfaces.

3.5 Uninterruptible Power Supply (EPS) Function

When connected to your home's power supply, the P3200 operates in EPS mode. In the event of a power outage, it automatically switches to battery power within 0.01 seconds, ensuring continuous operation for connected devices.

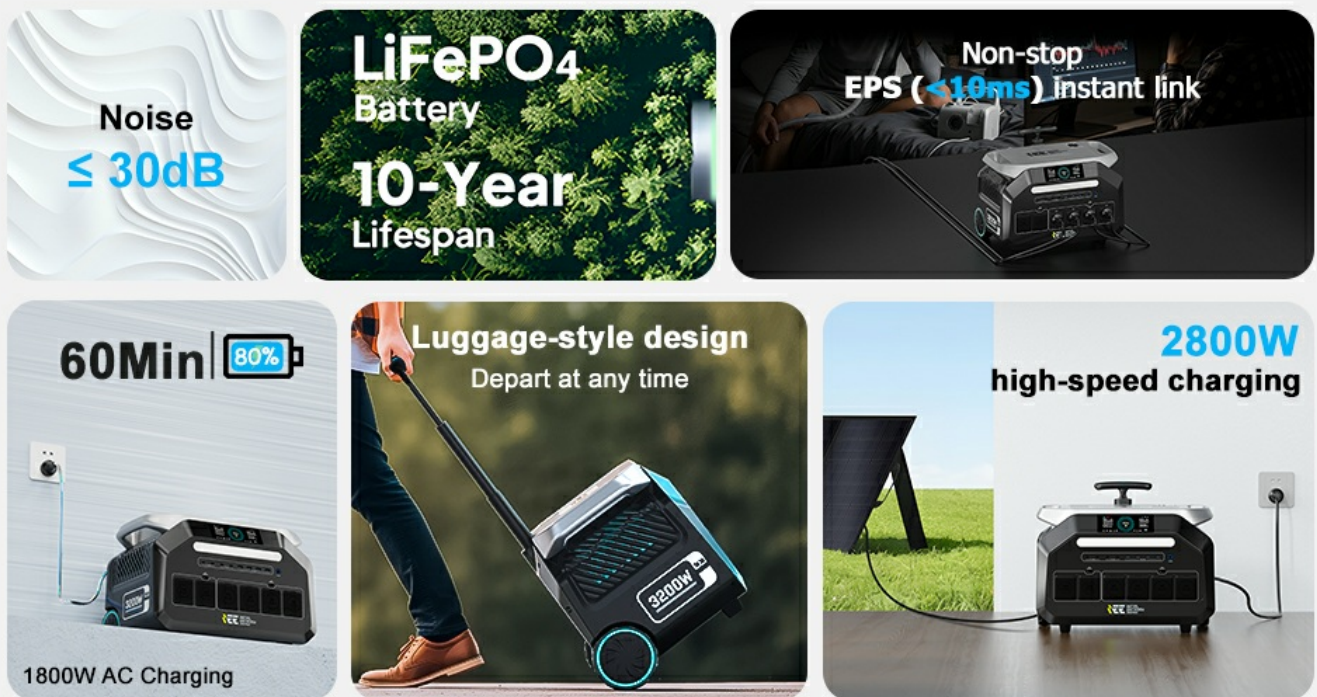


Image: The P3200 in EPS mode, providing uninterrupted power.

4. SETUP

4.1 Initial Charging

Before first use, fully charge the EcoVolt P3200. Connect the AC charging cable to the power station's AC input port and then to a standard wall outlet. The display will indicate charging status. A full charge via AC takes approximately 1.2 hours.

4.2 Connecting the Solar Panel

To charge using the solar panel:

1. Unfold the solar panel and position it in direct sunlight.
2. Connect the solar charging cable to the solar panel's output port.
3. Connect the other end of the solar charging cable to the DC input port on the P3200.
4. The display will show solar charging input. Optimal solar charging (up to 1000W) can charge the unit to 80% in approximately 1.6 hours under ideal conditions.



5. OPERATING INSTRUCTIONS

5.1 Powering On/Off

- To power on: Press and hold the main power button for 3 seconds. The display will illuminate.
- To power off: Press and hold the main power button for 3 seconds. The display will turn off.

5.2 Using Output Ports

- **AC Outlets:** Press the AC power button to activate the AC outputs. Connect your AC-powered devices. Ensure the total wattage does not exceed 3200W.
- **USB Ports (USB-A, Type-C PD):** These ports are typically active when the unit is powered on. Connect your USB devices directly.
- **DC Outlets (Cigar Lighter, DC5525):** Press the DC power button to activate the DC outputs. Connect your 12V DC devices.

5.3 Display Information

The integrated display provides real-time information including:

- Battery level indicator
- Input power (W)
- Output power (W) for AC, DC, and USB
- Estimated remaining runtime or charging time
- Warning indicators (e.g., overload, temperature)

6. CHARGING METHODS

The EcoVolt P3200 supports multiple charging methods:

- **AC Wall Outlet:** Connect the AC charging cable to a standard wall outlet. Max 1800W input, 0-100% in 1.2 hours.
- **Solar Panels:** Connect compatible solar panels (up to 1000W max input) using the solar charging cable. 0-80% in approximately 1.6 hours.
- **Car Charger:** Use the car charging cable to charge from your vehicle's 12V/24V cigarette lighter port.
- **AC + Solar Combination:** For fastest charging, combine AC and solar input for a maximum of 2800W.



Power All Your Device

4×

AC output (3200W)

4×

USB-A(30W*4)

2×

Cigarette Lighter Port

4×

USB-C(100W*2、
30W*2)

2×

DC5521

*16 output interfaces, supporting more than 99% of electrical appliances

Image: Overview of the different charging options for the P3200.

7. SMART APP CONTROL

The EcoVolt P3200 can be monitored and controlled via a mobile application. This allows you to check battery status, input/output power, and manage settings remotely.

- Download the official EcoVolt app from your smartphone's app store.
- Follow the in-app instructions to connect your P3200 via Bluetooth or Wi-Fi.
- Once connected, you can monitor real-time data and control various functions of the power station.

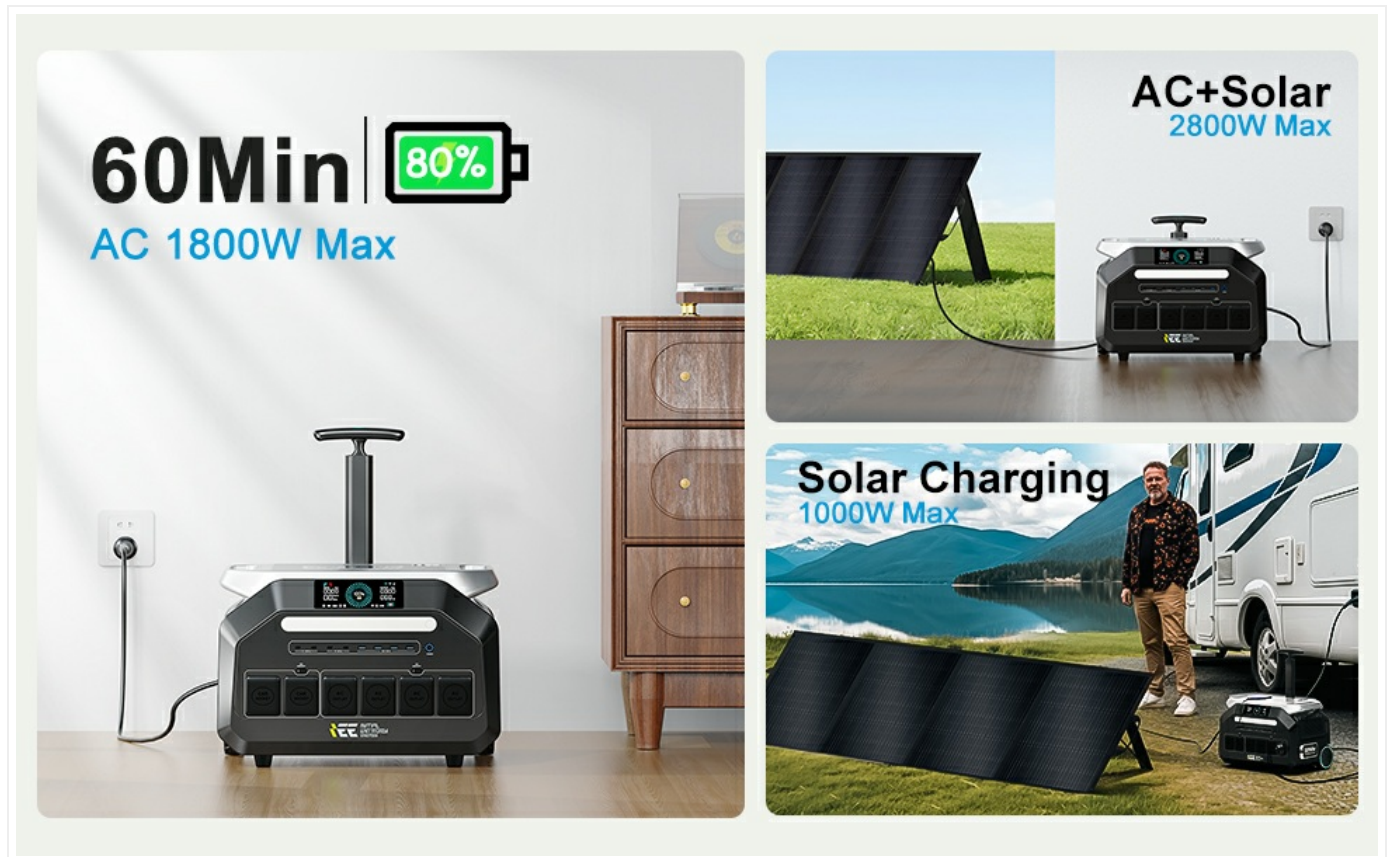


Image: Mobile application interface for monitoring and controlling the P3200.

8. MAINTENANCE

8.1 General Care

- Clean the unit with a dry, soft cloth. Do not use abrasive cleaners or solvents.
- Keep ventilation openings clear of dust and debris.
- Store the unit in a cool, dry place, away from direct sunlight and extreme temperatures.

8.2 Battery Storage

- For long-term storage, charge the battery to approximately 50-80% every 3-6 months to maintain battery health.
- Avoid storing the unit with a completely depleted or fully charged battery for extended periods.

9. TROUBLESHOOTING

Problem	Possible Cause	Solution
Unit does not power on	Battery is depleted; Power button not pressed correctly	Charge the unit; Press and hold the power button for 3 seconds
No output from AC ports	AC output not activated; Overload; Device fault	Press the AC power button; Reduce connected load; Check device
Slow solar charging	Insufficient sunlight; Panel angle incorrect; Shading; Dirty panel	Reposition panel for direct sun; Adjust angle; Clear obstructions; Clean panel surface

Problem	Possible Cause	Solution
Unit displays an error code	Internal fault; Over-temperature; Over-voltage	Refer to the app or contact customer support with the error code. Allow unit to cool down if temperature related.

10. SPECIFICATIONS

Feature	Detail
Model Name	P3200
Battery Type	LiFePO4
Capacity	2048Wh
AC Output	3200W (Rated), 6400W (Peak)
AC Charging Input	1800W Max
Solar Charging Input	1000W Max
USB-A Output	4 x 30W
USB-C PD Output	2 x 100W, 2 x 30W
DC Output	2 x Cigar Lighter, 2 x DC5525
Voltage	120 volts
Weight	Approx. 24kg (52lb)
Dimensions (L x W x H)	44.5cm x 29.8cm x 36.7cm

11. WARRANTY AND SUPPORT

11.1 Warranty Information

The EcoVolt P3200 Portable Power Station comes with a 5-year warranty from the date of purchase. This warranty covers manufacturing defects and ensures the product meets its specified performance. Please retain your proof of purchase for warranty claims.

11.2 Customer Support

For technical assistance, troubleshooting, or warranty inquiries, please contact EcoVolt customer support. You can find contact information on the official EcoVolt website or through your retailer. The manufacturer is Zhuhai Initial Entropy Energy Co., Ltd.

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