

## EcoVolt P3200

# EcoVolt IEE P3200 Portable Power Station User Manual

Model: P3200 | Brand: EcoVolt

## 1. INTRODUCTION

The EcoVolt IEE P3200 Portable Power Station is a versatile and robust power solution designed for various applications, from home emergency backup to outdoor adventures. Featuring a 2048Wh LiFePO4 battery and a 3200W (6400W peak) output, it can power a wide range of appliances. Its portable design includes movable wheels and a telescoping handle for easy transport.

# Upgraded 2048Wh Power Station

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



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

Figure 1: EcoVolt IEE P3200 providing power in an outdoor camping scenario.

## 2. PRODUCT FEATURES

### 2.1. Battery Technology

Equipped with a top-grade Lithium Iron Phosphate (LiFePO<sub>4</sub>) battery, the P3200 offers an extended lifespan of over 4000 charge/discharge cycles, lasting significantly longer than conventional batteries. An integrated Battery Management System (BMS) ensures optimal cell voltage and temperature management for safety and longevity.

# Automotive Grade LiFePO<sub>4</sub> Battery

**12** Years  
Lifespan  
Last **8X** longer than the average

**CNAS** Certified  
LiFePO<sub>4</sub>  
Passed **48** rigorous battery cell tests



\*After 4000+ cycles, the LFP battery retains around 80% of its original capacity and lasts 8x longer than the average (500+ cycles)

Figure 2: Internal structure highlighting the LiFePO<sub>4</sub> battery cells.

## 2.2. Charging Options

The P3200 supports ultra-fast charging with multiple input methods:

- **AC Charging:** Recharges 0-100% in 1.2 hours via 1800W AC fast charge.
- **Solar Charging:** Supports up to 1000W solar input, achieving 0-80% charge in approximately 1.6 hours.
- **Combined AC + Solar:** For even faster recharge times.
- **Car Charging:** Also supported.


# Super-fast Charging Speed

Multiple charging options for you

  
**1800W AC Charging**  
80% within **1h**

  
**PV Charging**  
80% within **1.6h**

  
**Car Charging**  
100% within **19h**

  
**AC+PV Charging**  
100% within **0.6h**

**60Min**   
MAX.AC+PV 2800W Input



Figure 3: Multiple charging options for the P3200.

# Harnessing Green Solar Energy

Save on your electricity bills



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



Max. **1000W**  
Solar input



Figure 4: Solar charging the P3200 with a portable solar panel.

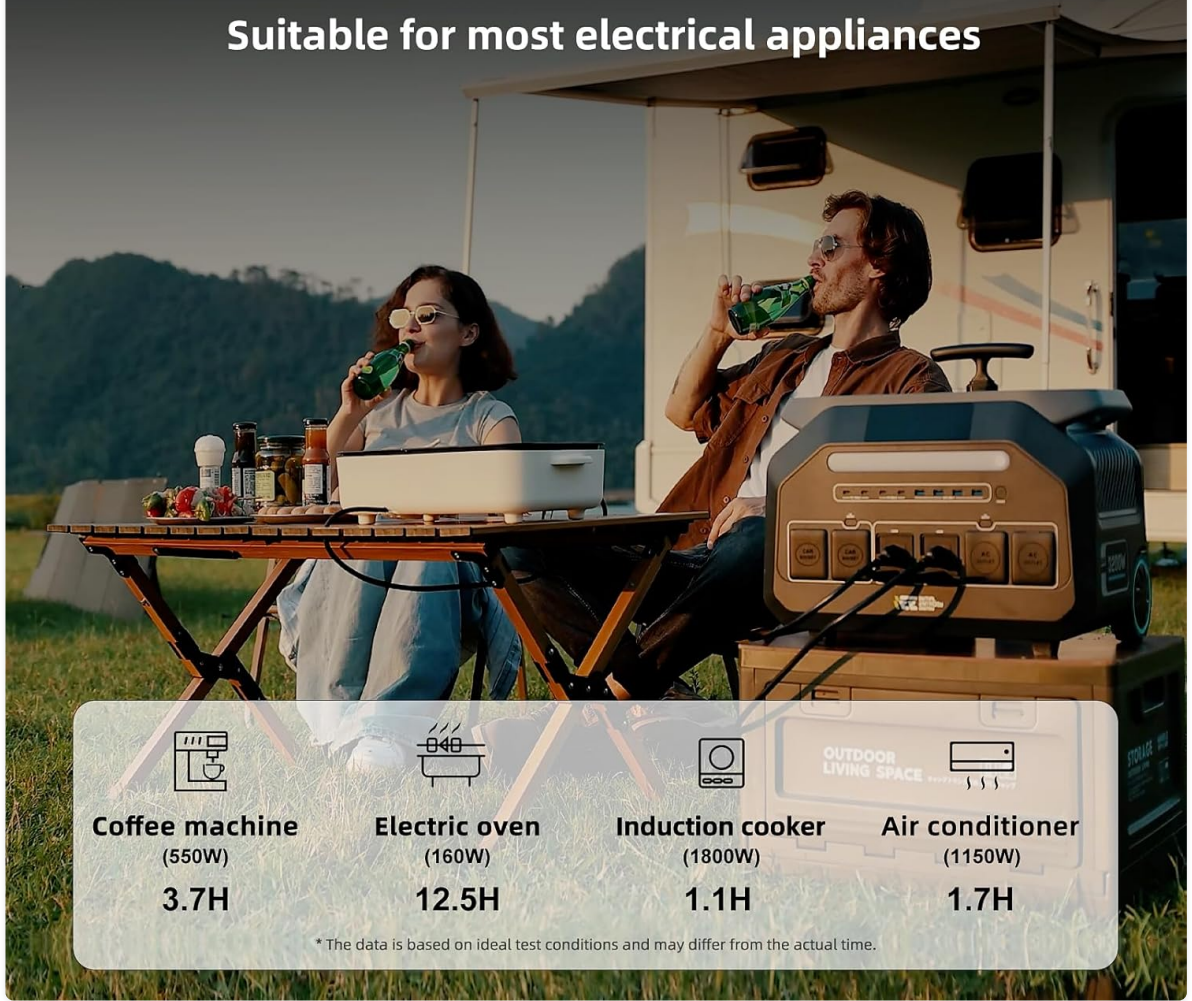
## 2.3. Output Ports





Power up to 16 devices simultaneously with a comprehensive array of output ports:

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

# 3200W / 2048Wh

## Suitable for most electrical appliances



			
<b>Coffee machine</b> (550W)	<b>Electric oven</b> (160W)	<b>Induction cooker</b> (1800W)	<b>Air conditioner</b> (1150W)
<b>3.7H</b>	<b>12.5H</b>	<b>1.1H</b>	<b>1.7H</b>

\* The data is based on ideal test conditions and may differ from the actual time.

Figure 5: The P3200 powering common electrical appliances.

### 2.4. Portability

Weighing only 24kg (52lb), the P3200 is designed for easy portability, featuring movable wheels and a telescoping handle, similar to luggage.



Figure 6: Easy portability with built-in wheels and handle.

## 2.5. EPS Auto Switchover

The P3200 includes an Ultra-fast EPS (Emergency Power Supply) function. When connected to your home's power supply, it operates in EPS mode. In the event of a power outage, it activates within 0.01 seconds, ensuring uninterrupted power to connected equipment.

## 2.6. Smart APP Control

Monitor and control the power station remotely using the dedicated mobile phone application. View input/output power, remaining battery, and other device statuses.

# APP Monitor & Control

## Intuitive-Intelligent-User-friendly



Figure 7: Remote monitoring and control via the smartphone app.

### Product Overview Video

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Video 1: Detailed review and demonstration of the IEE 3200W 2048Wh Power Station P3200 by ECOVOLT.

### 3. WHAT'S IN THE BOX

The package includes:

- 1x EcoVolt IEE P3200 Portable Power Station
- 1x AC Charging Cable
- 1x Car Charging Cable
- 1x Solar Charging Cable
- 1x User Manual
- 1x 4-in-1 Charging Cable

## 4. SETUP

1. **Unpacking:** Carefully remove the EcoVolt IEE P3200 from its packaging. Verify all included components are present using the 'What's in the Box' list.
2. **Initial Charge:** For optimal performance, fully charge the power station before first use. Connect the AC charging cable to a wall outlet and the AC input port on the rear of the unit. The display will show charging status.
3. **Familiarization:** Review the front panel display and all input/output ports. Understand the function of each button and indicator light.

## 5. OPERATING INSTRUCTIONS

### 5.1. Turning On/Off

Press and hold the main Power button for a few seconds to turn the unit on or off. A quick press will illuminate the display.

### 5.2. AC Output Usage

Press the 'AC ON/OFF' button to activate the AC outlets. Connect your AC-powered devices. Ensure the total wattage of connected devices does not exceed the 3200W continuous output limit.

### 5.3. DC Output Usage

Press the 'DC ON/OFF' button to activate the DC output ports (USB-A, Type-C, Car Sockets, DC5525). Connect your DC-powered devices.

### 5.4. Charging Modes

- **AC Charging:** Use the provided AC charging cable. The rear panel features a 'Super Charge' switch to select between standard (approx. 800W) and fast (1800W) charging modes.
- **Solar Charging:** Connect compatible solar panels (12-80V, max 1000W) to the XT60 input port on the rear using the provided solar charging cable. Position panels for maximum sunlight exposure.
- **Car Charging:** Use the provided car charging cable to charge from your vehicle's 12V outlet via the XT60 input port.

### 5.5. EPS Function

When the P3200 is connected to an AC power source and has devices plugged into its AC outlets, it will automatically enter EPS mode. In case of a power failure, the unit will seamlessly switch to battery power within 10 milliseconds.

### 5.6. APP Control

Download the 'Land Book' application (for US customers) on your mobile device. Follow the in-app instructions to connect your P3200 via Bluetooth or Wi-Fi for remote monitoring and control.

## 6. MAINTENANCE

1. **Regular Charging:** For long-term battery health, fully charge the P3200 at least once every 3-6 months, even if not in use.
2. **Storage:** Store the unit in a cool, dry place away from direct sunlight and extreme temperatures.
3. **Cleaning:** Use a dry, soft cloth to clean the exterior. Avoid using harsh chemicals or abrasive materials.
4. **Ventilation:** Ensure the ventilation vents are clear of obstructions during operation to prevent overheating.

## 7. TROUBLESHOOTING

If you encounter any issues with your EcoVolt IEE P3200, please refer to the following general advice:

- **No Power Output:** Check if the AC/DC output buttons are activated. Ensure the battery has sufficient charge.
- **Charging Issues:** Verify all charging cables are securely connected. Check the power source (wall outlet, solar panel, car). Ensure the 'Super Charge' switch is in the desired position.
- **Overload Protection:** If the unit shuts down due to overload, disconnect some devices and restart the unit.
- **Display Not Responding:** Try restarting the unit by holding the main power button.
- For persistent problems, contact EcoVolt customer support.

## 8. SPECIFICATIONS

Feature	Detail
Brand	EcoVolt
Model Name	P3200
Wattage (Continuous)	3200 watts
Wattage (Peak/Surge)	6400 watts
Battery Capacity	2048Wh (LiFePO4)
Fuel Type	Solar, Battery Powered
AC Charging Input	1800W Max
Solar Charging Input	1000W Max (12-80V)
DC Output Ports	4x USB-A (30W), 2x Type-C (100W), 2x Type-C (30W), 2x Car Socket, 2x DC5525
AC Output Ports	4x AC Outlets (100-120Vac, 60Hz)
Item Weight	53 Pounds (approx. 24 kg)
Product Dimensions	11.7"L x 14.4"W x 17.5"H

Special Features	Fast Charging, Overload Protection, Portable, USB Port, EPS Auto Switchover, Smart APP Control
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## 9. WARRANTY AND SUPPORT

The EcoVolt IEE P3200 Portable Power Station comes with a 5-year warranty. For warranty claims, technical support, or any inquiries, please refer to the contact information provided in your user manual or visit the official EcoVolt website.