ECOGREAT P3200

IEE P3200 Portable Power Station with 2*100W Solar Panels

Model: P3200 | Brand: ECOGREAT

1. Introduction

Thank you for choosing the IEE P3200 Portable Power Station and 2*100W Solar Panel set. This manual provides essential information for the safe and efficient use of your new power solution. Please read it thoroughly before operation and keep it for future reference. The IEE P3200 is designed to provide reliable power for various applications, from outdoor adventures to emergency backup at home, featuring a large 2048Wh capacity and a powerful 3200W output.

2. Safety Instructions

- Do not disassemble, repair, or modify the unit.
- Keep the unit away from heat sources, direct sunlight, and flammable materials.
- Do not expose the unit to water or other liquids.
- Ensure proper ventilation during use and charging to prevent overheating.
- Keep out of reach of children and pets.
- Use only original or certified accessories.
- In case of abnormal operation, immediately turn off the unit and contact customer support.

3. Package Contents

Verify that all items are included in your package:

- P3200 Portable Power Station
- 2 x 100W Solar Panels
- 4-in-1 Data Cable
- AC Charging Cable
- Solar Charging Cable
- User Manual

- Warranty Card

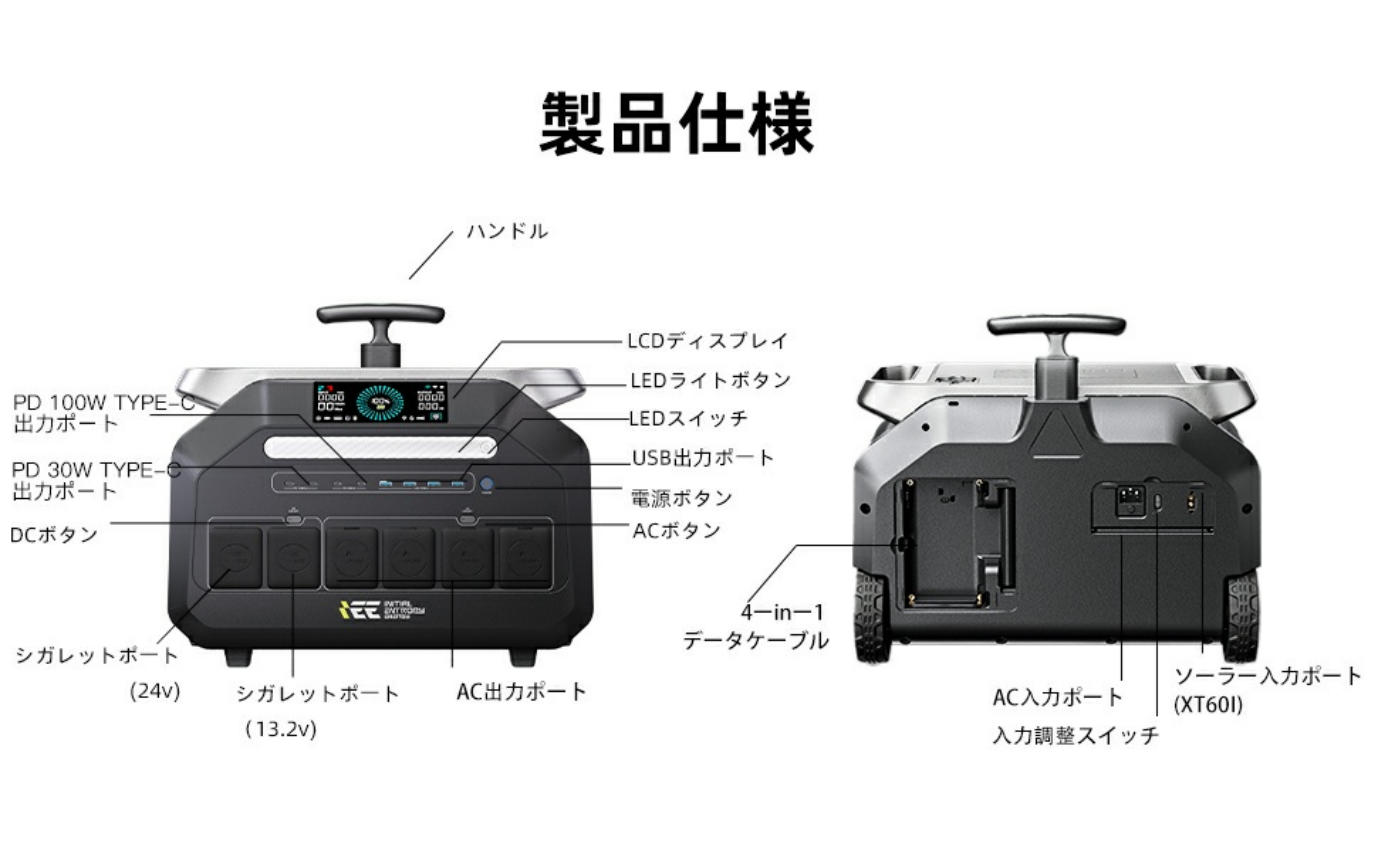


Figure 3.1: IEE P3200 Portable Power Station and included accessories.

4. Product Overview

The IEE P3200 Portable Power Station is a versatile and robust power solution. It features a high-capacity LiFePO4 battery, multiple output ports, and smart charging capabilities.

4.1 Key Features

- **High Capacity & Output:** 2048Wh battery capacity with 3200W rated output and 6400W peak output.
- **Long-Life LiFePO4 Battery:** Utilizes high-quality LiFePO4 batteries, offering over 4000 charge cycles for more than 10 years of reliable use.
- **Multiple Output Ports:** Equipped with 16 output ports, including 4 AC outlets, 4 USB-A, 4 USB-C, 2 DC-5521, and 2 car sockets, allowing simultaneous charging of various devices.
- **Ultra-Fast Charging:** Can be fully charged in approximately 50 minutes using AC + solar panel input (up to 2500W).
- **Uninterruptible Power Supply (EPS):** Provides seamless power backup, switching to battery power within 0.01 seconds during a power outage.
- **Smart App Control:** Monitor and control the power station remotely via the dedicated IEE app (Wi-Fi and Bluetooth compatible).
- **Quiet Operation:** Designed for low noise levels (below 35dB) during use and charging.
- **Portable Design:** Features casters and a retractable handle for easy transport despite its 24kg weight.

Figure 4.1: High output and durability of the IEE P3200.



Figure 4.2: Overview of the 16 output ports.

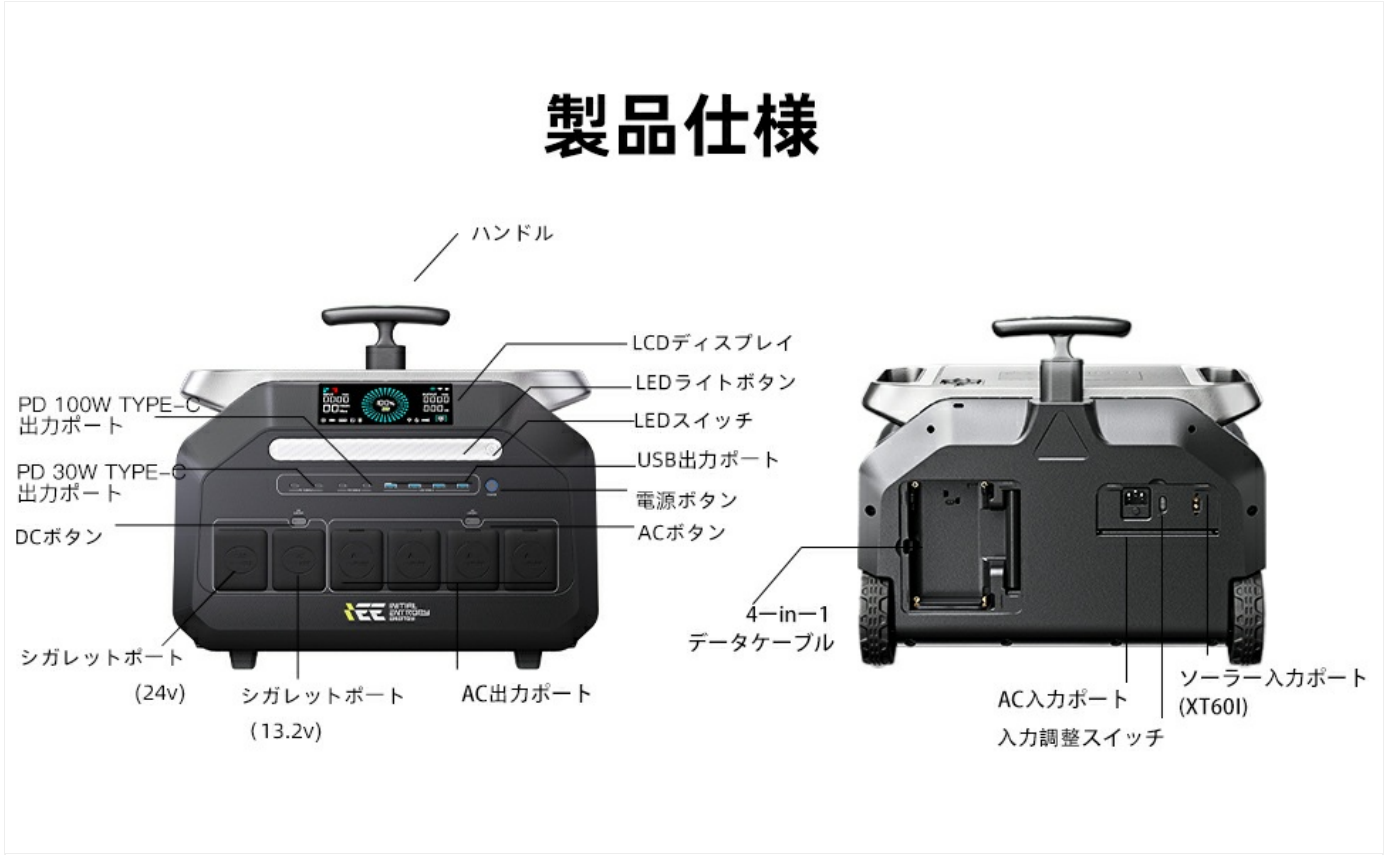


Figure 4.3: LiFePO4 battery and BMS system for enhanced safety and longevity.

5. Setup

5.1 Unpacking and Initial Inspection

1. Carefully remove all components from the packaging.
2. Inspect the power station and solar panels for any signs of damage. If any damage is found, do not use the product and contact customer support.
3. Ensure all items listed in the 'Package Contents' section are present.

5.2 Positioning the Power Station

- Place the power station on a flat, stable surface.
- Ensure there is adequate ventilation around the unit to prevent overheating.
- Keep the unit away from direct sunlight, heat sources, and moisture.

5.3 Deploying Solar Panels

- Unfold the solar panels in an area with direct sunlight.
- Angle the panels towards the sun for optimal charging efficiency.
- Connect the solar charging cable from the panels to the solar input port on the power station.



Figure 5.1: Connecting the IEE P3200 to solar panels.

6. Operating Instructions

6.1 Powering On/Off

- To power on the unit, press and hold the main power button for 3 seconds. The LCD display will illuminate.
- To power off the unit, press and hold the main power button for 3 seconds until the display turns off.

6.2 Using AC Outlets

- Press the 'AC ON/OFF' button to activate the AC outlets. The indicator light will turn on.
- Plug your AC devices into the available outlets.

- After use, press the 'AC ON/OFF' button again to turn off the AC outlets.

6.3 Using USB and DC Ports

- The USB and DC ports are typically active when the unit is powered on.
- Plug your USB-powered devices into the USB-A or USB-C ports.
- Connect your DC devices to the DC-5521 or car socket ports.

6.4 LCD Display Information

The LCD display shows real-time information including battery level, input/output wattage, remaining usage/charge time, and error indicators.

7. Charging Methods

The IEE P3200 supports multiple charging methods:

- **AC Wall Outlet:** Connect the AC charging cable to a standard wall outlet. The unit supports fast charging up to 1500W, reaching 80% in approximately 60 minutes.
- **Solar Panels:** Connect the solar charging cable from the 100W solar panels to the power station. With 1000W solar input, the unit can be fully charged in about 2 hours.
- **Car Charger:** Use a car charging cable (not included) to charge the unit from your vehicle's 12V outlet. This method typically takes 10-14 hours for a full charge.
- **AC + Solar Combination:** For the fastest charging, combine AC and solar input, achieving a full charge in approximately 50 minutes with a maximum input of 2500W.



Figure 7.1: Various charging options for the IEE P3200.



Figure 7.2: Smart charging mode selection for optimized battery life or rapid charging.

8. App Control

The IEE P3200 can be remotely controlled and monitored using the dedicated IEE app, available for smartphones. The app supports both Wi-Fi and Bluetooth connectivity.

8.1 Connecting to the App

1. Download the 'IEE' app from your smartphone's app store.
2. Ensure both Bluetooth and Wi-Fi are enabled on your smartphone.
3. On the power station, simultaneously press the DC button and the LED light button. The Wi-Fi icon on the display will start blinking.
4. Open the IEE app and follow the on-screen instructions to add your device. You will need to enter your Wi-Fi network SSID (name) and password. Note that the app and power station only support 2.4GHz Wi-Fi networks.
5. Once connected, you can monitor battery status, power usage, and control various functions remotely.



Figure 8.1: Remote control via the IEE app.

Video 8.1: This video demonstrates the process of connecting the IEE P3200 Portable Power Station to the smartphone app for remote control and monitoring. It shows the steps to enable Wi-Fi on the device and connect it through the app interface.

9. EPS Function (Uninterruptible Power Supply)

The IEE P3200 features an EPS (Emergency Power Supply) function. When connected to an AC wall outlet, it can pass through power directly to connected devices. In the event of a power outage, the unit automatically switches to battery power within 0.01 seconds, providing seamless backup for critical devices.



Figure 9.1: The EPS function provides instant power backup during outages.

10. Maintenance

- **Cleaning:** Use a dry, soft cloth to clean the exterior of the unit. Do not use abrasive cleaners or solvents.
- **Storage:** Store the unit in a cool, dry place, away from direct sunlight and extreme temperatures. For long-term storage, charge the battery to 50-80% every 3-6 months to maintain battery health.
- **Battery Care:** Avoid fully discharging the battery frequently to prolong its lifespan.

11. Troubleshooting

If you encounter issues with your IEE P3200, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Unit does not power on	Battery is completely discharged; Power button not pressed correctly.	Charge the unit; Press and hold the power button for 3 seconds.
AC outlets not working	AC output is off; Overload protection activated.	Press the 'AC ON/OFF' button; Reduce the load on AC outlets.
Slow charging via solar	Insufficient sunlight; Panels not optimally angled.	Adjust panel angle; Ensure clear sky conditions.
App connection issues	Bluetooth/Wi-Fi off; Incorrect password; 5GHz Wi-Fi network.	Enable Bluetooth/Wi-Fi; Re-enter password; Connect to 2.4GHz Wi-Fi.

If the problem persists, please contact customer support for assistance.

12. Specifications

Detailed specifications for the IEE P3200 Portable Power Station:

Feature	Description
Model Number	P3200
Brand Name	ECOGREAT
Manufacturer	Zhuhai Initial Entropy Energy Co., Ltd
Battery Type	LiFePO4 (Lithium Iron Phosphate)
Capacity	2048Wh
Rated Output Power	3200W
Peak Output Power	6400W
AC Output	100V, 50Hz/60Hz compatible
USB-A Output	4 ports
USB-C Output	4 ports
DC Output	2 x DC-5521, 2 x Car Socket
Charging Time (AC+Solar)	Approx. 50 minutes (max 2500W input)
Charging Time (Solar 1000W)	Approx. 2 hours
Charging Time (AC 1500W)	Approx. 60 minutes to 80%
Dimensions	49 x 42 x 34 cm
Weight	24 kg
Additional Features	LED display, Carry handle, Short circuit protection, Overcharge protection, Fast charging, EPS function, App remote control
Certifications	PSE certified



Figure 12.1: Product dimensions and port layout.

13. Warranty and Support

The IEE P3200 Portable Power Station comes with a 5-year manufacturer's warranty. In the unlikely event of a defect, damage, or malfunction under normal use, the product is eligible for free repair or exchange.

For any inquiries or support needs after purchase, please contact our customer support team or the store where you purchased the product. We are committed to providing prompt assistance.

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

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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