

pecron E2000LFP

Pecron E2000LFP Portable Power Station User Manual

Model: E2000LFP

1. INTRODUCTION

The Pecron E2000LFP is a high-capacity portable power station designed to provide reliable power for various applications, including home backup, outdoor activities, RV use, and emergency situations. Featuring a 1920Wh LiFePO4 battery, it delivers a rated power of 2000W (Surge 4000W) and can be expanded up to 8064Wh with additional battery packs. This manual provides essential information for safe and efficient operation of your E2000LFP power station.



Image 1: The Pecron E2000LFP Portable Power Station, showcasing its robust design and multiple output ports.

2. SETUP

2.1. Unboxing and Included Components

Upon unboxing, ensure all components are present:

- Pecron E2000LFP portable power station
- Accessory Pack
- AC Power adapter
- 5-pin Aviation Plug To MC4 Solar Charging Cable (x2)
- Car Charger cable
- User manual

2.2. Initial Charging

Before first use, fully charge the E2000LFP using the provided AC power adapter. Connect the AC adapter to the DC Input port on the power station and then to a standard wall outlet. The LCD display will indicate charging status.

Video 1: A user demonstrating the unboxing and initial setup of the Pecron E2000LFP, highlighting the included accessories and various ports.

3. OPERATING INSTRUCTIONS

3.1. LCD Display

The intelligent HD LCD display provides real-time information on battery status, input/output wattage, remaining runtime, and other operational parameters. Press the DC or AC buttons to activate the respective outputs and view their status.

Video 2: A detailed look at the Pecron E2000LFP's LCD display, showing battery percentage, wattage, and remaining runtime, along with the AC and DC output buttons.

3.2. Output Ports

The E2000LFP features 16 output ports to power a wide range of devices:

- **AC Outlets:** 4x 2000W AC outlets (110V Pure-sine wave) for standard appliances.
 - **30 AMP Outlet:** 1x 30 AMP outlet for higher power demands.
 - **USB Ports:** 6x USB ports, including PD 100W USB-C for fast charging laptops and other compatible devices, and standard USB-A ports.
 - **Cigar Port:** 1x 12V cigar port.
 - **DC Ports:** 2x DC ports.
 - **Wireless Charger:** 1x 15W wireless charging pad on top for compatible smartphones.
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15 Versatile Output Ports

For **99%** of home devices



Image 2: An illustration detailing the 15 versatile output ports available on the Pecron E2000LFP, including AC, DC, USB, and wireless charging options.

3.3. Battery Expansion

The E2000LFP's capacity can be expanded up to 8064Wh by connecting additional Pecron EB3000 battery packs via the dedicated DC 24V Battery Expansion port. This modular design allows for increased power storage as needed.

Up To 8064Wh Capacity Paired With E2000 LFP



UP ↑
Expandable
Capacity

Image 3: The Pecron E2000LFP power station shown connected to an EB3000 expansion battery, illustrating its expandable capacity up to 8064Wh.

MODULAR POWER SUPPLY

Expand Your Power for Any Needs



Image 4: A visual representation of the modular power supply system, showing how the E2000LFP can be combined with EB3000 units to achieve higher capacities.

4. CHARGING METHODS

The E2000LFP offers four flexible charging options:

- **AC (Home) Charging:** Use the AC power adapter to charge from a standard wall outlet.
- **DC (Vehicle) Charging:** Utilize the Car Charger cable to charge from your vehicle's 12V outlet.
- **PV (Solar) Charging:** Connect compatible solar panels (up to 1200W max input) using the provided 5-pin Aviation Plug To MC4 Solar Charging Cables.
- **Generator Charging:** The unit can also be charged via a compatible generator.

6 Ways To Recharge

Max solar input **1200W**



Wall Outlet

3.5~4 Hrs



Dual Wall Outlet

1.5~2 Hrs

A 2nd adapter is required for dual wall outlet charging.
(Sold separately on PECRON LLC)



Solar Panel

3~4 Hrs

(200W Solar Panel x4)



Generator

1.5~2 Hrs (Adapter x2)

3.5~4 Hrs (Adapter x1)



Car Socket

20 Hrs

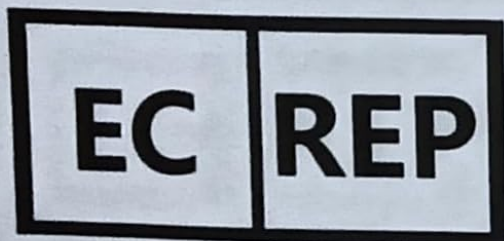


Wall+Solar

1.5~2 Hrs

(Adapter x1+ 200W Solar Panel x3)

Image 5: An infographic illustrating the six different ways to recharge the Pecron E2000LFP, including wall outlets, solar panels, and car sockets.



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Distributor Add: A503, No. 2 TianAnCyberPark, Longgang District, Shenzhen, Guangdong, China

Manufacturer: Huizhou Pecron Technology Co., LTD

Manufacturer Add: The 2th, 3th, 4th, and 5th floors of Building 7, Dalongkeng, Huangdong, Zhenlong Town, Huiyang District, Huizhou City

Manufacturer Contact: Sabrina

Manufacturer Mobile: +8618126084932 (Customer Service)

Manufacturer Email: de@pecron.com (Customer Service)

⚠ Do not depart the battery without permission.

⚠ Do not put battery into fire and water.

⚠ Verlassen Sie die Batterie nicht ohne Erlaubnis.

⚠ Batterie nicht in Feuer und Wasser legen.



Made in China

Image 6: The Pecron E2000LFP being charged by solar panels in an outdoor setting, emphasizing its clean energy capabilities.

5. MAINTENANCE

5.1. Battery Preservation

To preserve battery life, charge the unit to 80% for long-term storage and charge it at least once every 6 months.

5.2. Safety Features

The E2000LFP is equipped with an ultra-safe LiFePO₄ battery and a Built-in Battery Management System (BMS) that provides self-protection against short circuits, overload, and overheating. The 110V Pure-sine wave inverter ensures no damage to sensitive electronic devices.

SAFE & DURABLE

Life Cycle 3500+

LiFePO4
Cell

Built-In
BMS

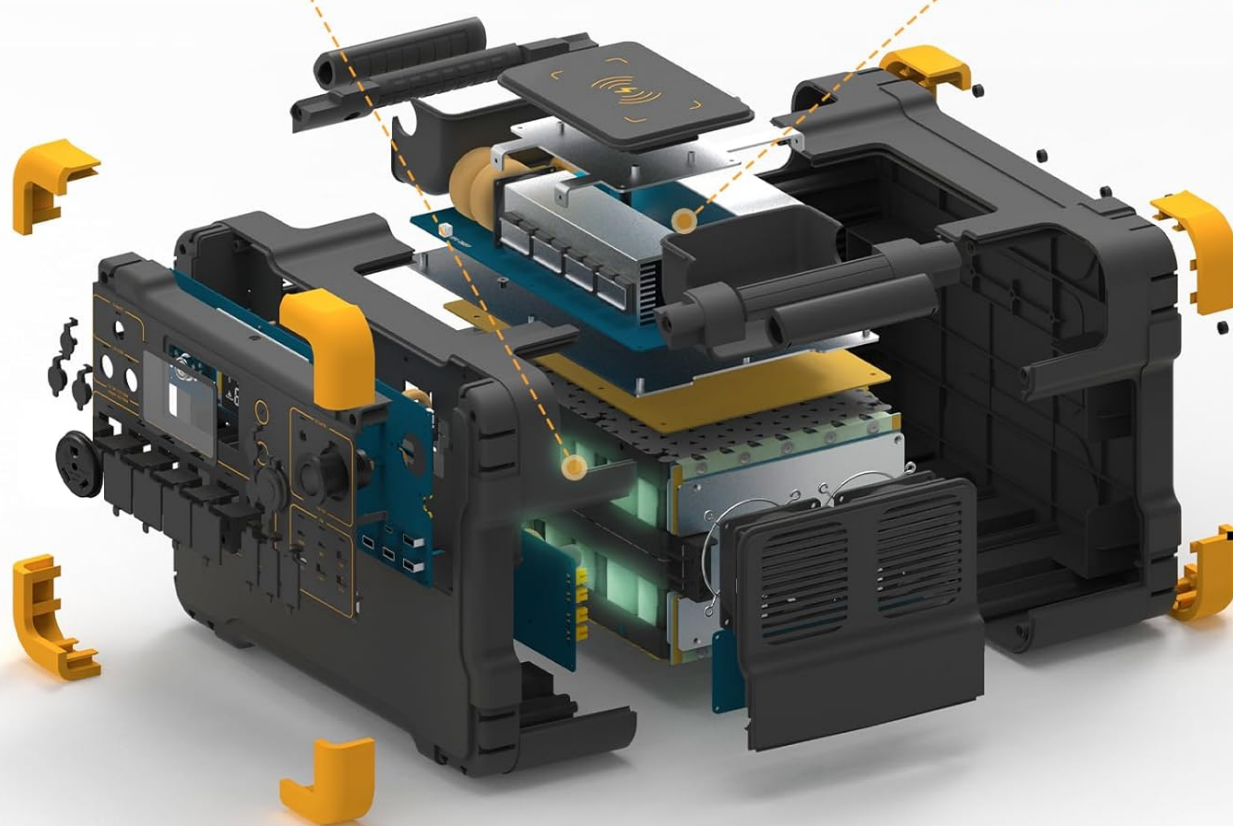


Image 7: An exploded view of the Pecron E2000LFP, highlighting its LiFePO4 cells and Built-in BMS for enhanced safety and durability.

6. TROUBLESHOOTING

If you encounter any issues with your Pecron E2000LFP, please refer to the detailed user manual included with your product for specific troubleshooting steps. Common issues can often be resolved by checking connections, ensuring proper charging, or resetting the unit. For persistent problems, contact customer support.

7. SPECIFICATIONS

| Feature | Specification |
|-----------|---------------|
| Brand | pecron |
| Wattage | 2000 watts |
| Fuel Type | Electric |

| | |
|---------------------|--|
| Power Source | AC/DC |
| Recommended Uses | Camping, Commercial, Residential |
| Item Weight | 9.4 Kilograms |
| Voltage | 230 Volts (AC) |
| Output Wattage | 4000 Watts (Surge) |
| Special Feature | Expandable, Solar power |
| Included Components | E2000LFP portable power station, Accessory Pack, AC Power adapter, Solar Charging Cable*2, 2 sets of parallel solar panel cables, Car Charger cable, User manual |



Image 8: The Pecron E2000LFP with its approximate dimensions (16 inches long, 10 inches wide, 11 inches high).

8. WARRANTY AND SUPPORT

Pecron provides a 12-month warranty for the E2000LFP power station. This warranty can be extended for an additional year if the original purchaser registers their product within 30 days of purchase. The Accessory Pack, AC Power Cord, Solar charging cable, and Car Charger cable are warranted for one year. For customer service, refer to the contact information in your user manual or visit the official Pecron website.

Related Documents - E2000LFP

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|--|--|
| | <p>PECRON E2400 LFP Portable Power Station User Manual</p> <p>Comprehensive user manual for the PECRON E2400 LFP portable power station, detailing its features, specifications, operation, solar charging capabilities, FAQs, and important safety guidelines.</p> |
| | <p>Pecron E600 LFP Portable Power Station User Manual</p> <p>Comprehensive guide to the Pecron E600 LFP portable power station, covering features, specifications, safe operation, charging methods, and FAQs for reliable energy on the go.</p> |
| | <p>PECRON E600 LFP Portable Power Station User Manual</p> <p>User manual for the PECRON E600 LFP portable power station. This guide details the product's features, specifications, operation, charging methods (AC, DC, Solar), solar panel compatibility, frequently asked questions, important warnings, and disposal instructions. Essential reading for users of this 614Wh LiFePO4 power station with 1200W AC output and 100W USB-C PD.</p> |
| | <p>Pecron E1000 PRO User Manual: Portable Power Station Guide</p> <p>Comprehensive user manual for the Pecron E1000 PRO portable power station. Learn about its features, specifications, charging methods, and safety precautions for reliable power on the go.</p> |
| | <p>PECRON E1500 LFP Portable Power Station User Manual</p> <p>Comprehensive user manual for the PECRON E1500 LFP portable power station, covering specifications, functions, operation, safety guidelines, and troubleshooting.</p> |
| | <p>PECRON E1500 LFP Portable Power Station User Manual</p> <p>This user manual provides comprehensive details on the PECRON E1500 LFP portable power station, covering its features, specifications, operation, charging methods, UPS functionality, app integration, and important safety guidelines.</p> |