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- › [pecron](#) /
- › [PECRON Portable Power Station E2400LFP User Manual](#)

## pecron E2400LFP+EP3000-48V Extra Battery

# PECRON Portable Power Station E2400LFP User Manual

Model: E2400LFP+Extra Battery

Brand: PECRON

## INTRODUCTION

This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your PECRON Portable Power Station E2400LFP with Extra Battery. Please read this manual thoroughly before using the product and retain it for future reference.



Image: The PECRON E2400LFP Portable Power Station (top unit) connected to its EP3000-48V Extra Battery (bottom unit), showcasing the compact and stackable design.

## PACKAGE CONTENTS

Upon unpacking, please verify that all items listed below are included and in good condition. If any items are missing or damaged, contact customer service immediately.

- PECRON E2400 LFP Power Station x 1
- EP3000-48V Extra Battery x 1
- AC Charging Cable x 1
- Solar Charging Cable x 1
- Car Charging Cable x 1
- 12V Alligator Clips x 1
- Accessory Pouch x 1
- User Manual x 1

## SETUP AND INITIAL CHARGING

Before first use, it is recommended to fully charge the power station. The E2400LFP supports multiple charging methods.

## Connecting the Extra Battery

The E2400LFP is designed to connect seamlessly with the EP3000-48V Extra Battery to expand its capacity. Ensure both units are powered off before connecting the dedicated expansion cable between them. Refer to the connection ports on the side of each unit.



Image: The PECRON E2400LFP Power Station connected to two EP3000-48V Extra Batteries, demonstrating the expandable power solution.

## Charging Methods

The E2400LFP offers fast charging capabilities, reaching a full charge in approximately 90 minutes via AC wall outlet.

- **AC Wall Charging:** Connect the provided AC charging cable to the power station's AC input port and then to a standard wall outlet. Full charge in approximately 1.5 hours.
- **Solar Panel Charging:** Connect compatible solar panels (not included) to the power station using the provided solar charging cable. Charging time varies based on solar intensity and panel wattage. Approximately 3 hours with optimal solar input.

- **Car Charging:** Use the provided car charging cable to charge the power station from your vehicle's 12V cigarette lighter port. Approximately 4.5 hours for a full charge.

# RECHARGE ANYWHERE

Wall Charging

**1.5 Hrs**



Solar Panel Charging

**3 Hrs**



500W Car Charging

**4.5 Hrs**



Image: Illustrations showing the PECRON E2400LFP being recharged via a wall outlet (1.5 hours), solar panels (3 hours), and a car charger (4.5 hours).

## OPERATION

The PECRON E2400LFP is designed for versatile power delivery, suitable for various applications from home backup to outdoor adventures.

### Output Ports

The power station features 12 output ports to accommodate a wide range of devices:

- AC Output x 3
- USB-C x 2
- USB-A x 4
- XT60-F Output x 1

- Cigar Port x 1
- DC 5525 Output x 1

# 12 OUTPUT OPTIONS



AC Output\*3



USB-A\*4



USB-C\*2



XT60-F\*1



Cigar Port\*1



DC 5525 Output \*1



Image: A close-up view of the PECRON E2400LFP's control panel, highlighting the 12 different output options including AC, USB-C, USB-A, XT60-F, Cigar Port, and DC 5525 outputs.

## Powering Devices

With a continuous power output of 2400W, the E2400LFP can run multiple devices simultaneously, from small electronics to larger appliances. Its 2048Wh capacity (expandable up to 8192Wh with additional batteries) provides extended runtime.

# POWER UP MULTIPLE DEVICES

Capacity  
**2048Wh**

Output  
**2400W**



Phone(11Wh)

**108** Times  
DC output



Laptop(60Wh)

**29** Times  
DC output



Mini Fridge(40W)

**40** Hours  
DC output



Image: A visual representation of the PECRON E2400LFP's capacity (2048Wh) and output (2400W), demonstrating its ability to power devices like a phone (108 times), laptop (29 times), and mini-fridge (40 hours).

## Smart Control via App

The PECRON E2400LFP can be monitored and controlled via a dedicated smartphone application. This allows you to check machine status, view power levels, and customize charging power remotely.

# APP SMART CONTROL



Check Machine Status



View Power Level



Customized Charging Power

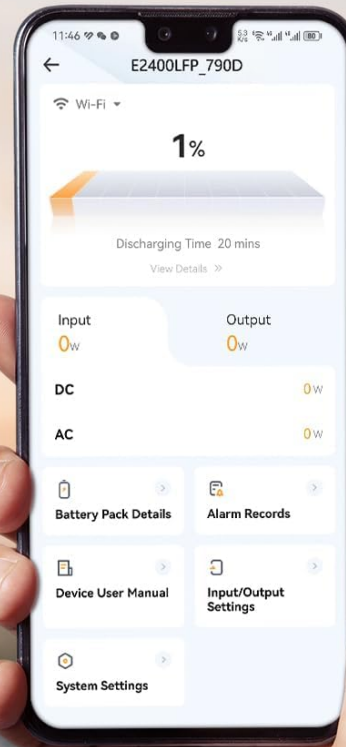


Image: A smartphone displaying the PECRON E2400LFP's app interface, showing options to check machine status, view power level, and customize charging power.

## MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your PECRON Power Station.

### Battery Care

The E2400LFP utilizes a LiFePO<sub>4</sub> battery, known for its durability and long cycle life. It is designed to retain 80% of its original capacity after 3500 complete charge cycles.

- **Storage:** If storing the power station for an extended period, ensure it is charged to approximately 50-80% and recharge it every 3-6 months to prevent deep discharge. Store in a cool, dry place away from direct sunlight.
- **Temperature:** Operate and store the unit within the recommended temperature range specified in the specifications section to maximize battery life.
- **Cleaning:** Use a dry, soft cloth to clean the exterior of the unit. Do not use harsh chemicals or abrasive materials.

# LiFePO4 BATTERY

3500 Complete Charge Cycles



\*Retain 80% of its original capacity at 3500 complete charge cycles.

Image: An exploded view of the PECRON E2400LFP, revealing the internal LiFePO4 battery cells, emphasizing its long-lasting nature with 3500 complete charge cycles.

## TROUBLESHOOTING

This section addresses common issues you might encounter. For problems not listed here, please contact customer support.

Problem	Possible Cause	Solution
Unit does not power on.	Battery is fully discharged; Power button not pressed correctly.	Charge the unit using an AC adapter. Press and hold the power button for 3-5 seconds.
AC output not working.	AC output not enabled; Overload protection activated; Device power exceeds unit's capacity.	Ensure AC output is turned on. Reduce connected load. Check device wattage against 2400W limit.



Problem	Possible Cause	Solution
Unit not charging.	Charging cable loose or damaged; Charger not connected to power source; Over-temperature protection.	Check all cable connections. Ensure wall outlet/solar panel/car charger is active. Allow unit to cool down if hot.
Display shows an error code.	Internal system error.	Note the error code and refer to the full user manual (if available) or contact customer service. Try restarting the unit.

## SPECIFICATIONS

Detailed technical specifications for the PECRON E2400LFP Portable Power Station and EP3000-48V Extra Battery.

Feature	Specification
Model	E2400LFP+EP3000-48V Extra Battery
Brand	PECRON
Battery Type	LiFePO4
Capacity (E2400LFP)	2048Wh
Capacity (EP3000-48V Extra Battery)	3072Wh
Expandable Capacity	Up to 8192Wh (with two EP3000-48V extra batteries)
Rated Output Power	2400W
Voltage	120 Volts
AC Charging Time	Approx. 1.5 hours (90 minutes)
Product Dimensions	14.8"L x 9.3"W x 13"H (E2400LFP unit)
Item Weight	45 Pounds (E2400LFP unit)
Special Features	Portable, Fast Charging, Large Capacity, Long Last, Safety, Smart Control, UPS

## WARRANTY AND SUPPORT

PECRON offers comprehensive support for its products.

- **Warranty:** The PECRON E2400LFP comes with a 2+1 years worry-free warranty. Please retain your proof of purchase for warranty claims.
- **Customer Service:** For any inquiries, technical assistance, or warranty support, PECRON provides 24 hours/7 days friendly customer service.
- **Online Resources:** Visit the official PECRON store for additional product information, FAQs, and support resources: [PECRON Official Store](#)

## IMPORTANT SAFETY INFORMATION

Always follow these safety guidelines to prevent injury or damage to the product:

- Do not disassemble, repair, or modify the unit.
- Do not expose the unit to fire, heat sources, or direct sunlight for prolonged periods.
- Do not use or store the unit in a bathroom or in an area exposed to rain or moisture.
- Keep the unit away from children and pets.
- Ensure proper ventilation during use and charging. Do not block ventilation openings.
- Use only original or certified charging cables and accessories.
- If the unit emits smoke, strange odors, or unusual noise, stop using it immediately and contact customer service.