

pecron E3600LFP

pecron E3600LFP Portable Power Station User Manual

Model: E3600LFP with Extended Battery

1. INTRODUCTION

Thank you for choosing the pecron E3600LFP Portable Power Station. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your device. The E3600LFP is a high-capacity portable power solution designed for various applications, from outdoor adventures to emergency home backup.

Key features include a 3072Wh LiFePO4 battery, 3600W AC output, and expandability up to 15360Wh with additional EP3000-48V batteries. It offers multiple output options and fast charging capabilities to keep your devices powered wherever you are.

2. SETUP

Before first use, ensure your pecron E3600LFP is fully charged. The unit comes with necessary cables for various charging methods.

2.1 Unboxing and Initial Inspection

Carefully remove all components from the packaging. Verify that all included items are present:

- pecron E3600 LFP Power Station (x1)
- EP3000-48V Extension battery (x1)
- 15A AC cable (x1)
- 30A AC cable (x1)
- Single port XT60 to MC4 solar charging cable (x1)
- Parallel dual port XT60 to MC4 solar charging cable (x1)
- Car Charging Cable (x1)

- Slotted Screwdriver (x1)
- Accessory Pouch (x1)
- User Instruction (x1)

2.2 Connecting the Extended Battery

To expand the capacity of your E3600LFP, connect the EP3000-48V Extension Battery using the provided cable. Ensure a secure connection for optimal performance.



Figure 2.1: pecron E3600LFP Power Station connected to its extended battery.

2.3 Charging the Power Station

The E3600LFP supports multiple charging methods:

- **AC Charging:** Fully charge in 1.3 hours with 3200W AC charge or 2 hours with 1800W AC charge. Use the appropriate AC cable provided.
- **Solar Panel Charging:** Achieve a full charge in approximately 1.5 hours with 8*300W solar panels (2400W total). Use the XT60 to MC4 solar charging cables.
- **Car Charging:** Charge the unit using the included Car Charging Cable.

3 WAYS TO CHARGE



Figure 2.2: Illustration of the three primary charging methods for the E3600LFP.

3. OPERATING INSTRUCTIONS

The pecron E3600LFP offers versatile power output options for a wide range of devices.

3.1 Output Options

The power station features 16 output options to meet diverse charging needs:

- 4 x AC Output (100V-120V, 3600W Max)
- 1 x TT30-R Output
- 4 x USB-A Ports
- 2 x 100W USB-C Ports
- 1 x XT60-F Output
- 1 x Cigar Port
- 1 x DC5525 Output

- 2 x Wireless Charger Pads



Figure 3.1: Overview of the 16 output options on the E3600LFP.

3.2 Powering Devices

Connect your devices to the appropriate output ports. The E3600LFP can power a variety of electronics and appliances, including smartphones, tablets, laptops, cameras, RVs, and more.

POWER VARIOUS DEVICES

3072Wh
Capacity

3600W
Output



Phone(11W)
237 Times



Laptop(60W)
43 Hours



Fridge(120W)
48 Hours



Projector(65W)
40 Hours



Figure 3.2: Examples of devices powered by the E3600LFP and estimated usage times.

3.3 App Smart Control

Manage and monitor your power station remotely using the pecron app. The app allows you to:

- View power levels (input/output)
- Customize charging power
- Monitor battery status
- Control various settings via Wi-Fi and Bluetooth

DISCOVER THE HIGH POWER

3600W Pure Sine Wave Power Station



Figure 3.3: The pecron app provides smart control and monitoring capabilities.

4. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your pecron E3600LFP.

4.1 Battery Care

The E3600LFP utilizes a durable LiFePO4 battery, designed for long-term use. It can retain 80% of its original capacity after 3500 complete charge cycles.

- Store the power station in a cool, dry place away from direct sunlight.
- Avoid extreme temperatures.
- For long-term storage, charge the battery to approximately 50-80% and recharge every 3-6 months.

APP SMART CONTROL



Wi-Fi & Bluetooth



View Power Level



Customized Charging Power



Figure 4.1: The E3600LFP features a long-lasting LiFePO4 battery.

4.2 Safety Features

The power station is equipped with a built-in Battery Management System (BMS) to ensure safety and provide stable power support. The BMS protects against:

- Short circuits
- Overload
- Overheating

LiFePO4 BATTERY

3500 complete charge cycles



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

Figure 4.2: The integrated BMS ensures safe and reliable operation.

5. TROUBLESHOOTING

If you encounter issues with your pecron E3600LFP, refer to the following common troubleshooting tips:

5.1 No Power Output

- Ensure the power station is turned on and the specific output ports (AC/DC) are activated.
- Check the battery level. Recharge if the battery is low.
- Verify that the connected device is working correctly and its power requirements do not exceed the power station's output limits.
- Inspect cables for damage and ensure they are securely connected.

5.2 Slow Charging

- Confirm that you are using the correct charging cable and adapter (e.g., 30A AC cable for fastest charging).
- For solar charging, ensure panels are clean, optimally angled towards the sun, and not shaded. Verify the total wattage of connected solar panels.
- Check the charging speed setting in the pecron app, if applicable.

5.3 Overload Protection Activated

- If the power station shuts down or displays an overload warning, disconnect some devices.
- Reduce the total power draw to below the rated output (3600W).
- Restart the power station.

5.4 App Connectivity Issues

- Ensure Bluetooth and Wi-Fi are enabled on your mobile device.
- Make sure the power station is within range.
- Restart both the power station and the app.
- Check for app updates.

6. SPECIFICATIONS

Brand	pecron
Model Name	E3600LFP
Capacity	3072Wh (Expandable to 15360Wh with EP3000-48V)
AC Output	3600W (Rated), 100V-120V Pure Sine Wave
Battery Type	LiFePO4
Cycle Life	3500+ cycles to 80% capacity
Fast Charging (AC)	1.3 Hrs (3200W), 2 Hrs (1800W)
Solar Charging	1.5 Hrs (8*300W Solar Panel Charging)
Total Power Outlets	16
Item Weight	79 Pounds
Product Dimensions	17.5"L x 12.1"W x 13.8"H
Special Features	Portable, Fast Charging, Large Capacity, Long Last, Safety, Smart Control, UPS

7. WARRANTY AND SUPPORT

pecron offers a comprehensive warranty and dedicated customer service for your peace of mind.

7.1 Warranty Information

Your pecron E3600LFP Portable Power Station comes with a **2+3 years worry-free warranty**. This includes an initial 2-year warranty, with an additional 3 years upon product registration or specific conditions. Please refer to the official pecron website or contact customer service for full warranty terms and conditions.

7.2 Customer Service

For any questions, technical support, or warranty claims, pecron provides **24 hours/7 days friendly customer service**.

Contact Information:

- **Email:** support@pecron.com (Example, please refer to your product documentation for actual contact details)
- **Website:** www.pecron.com (Example, please refer to your product documentation for actual contact details)

When contacting support, please have your product model number (E3600LFP) and purchase information ready to expedite assistance.