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› [pecron](#) /

› [pecron E1500LFP Portable Power Station User Manual](#)

pecron E1500LFP

pecron E1500LFP Portable Power Station User Manual

Model: E1500LFP

1. INTRODUCTION

Thank you for choosing the pecron E1500LFP Portable Power Station. This manual provides essential information for the safe and efficient operation of your device. The E1500LFP is a versatile and robust power solution designed for home backup, RV use, and outdoor camping, featuring a durable LiFePO4 battery and multiple output options.

2. PACKAGE CONTENTS

Ensure all items are present upon unboxing:

- pecron E1500LFP Portable Power Station
- Accessory Pack (includes various cables)
- AC Power Cord
- Solar Charging Cable
- Car Charger Cable
- User Manual



Image: Pecron E1500LFP Portable Power Station with its various ports and the included accessory bag, AC power cord, solar charging cable, and car charger cable.

3. SPECIFICATIONS

Feature	Detail
Model	E1500LFP
Battery Type	LiFePO4 (Lithium Iron Phosphate)
Capacity	1536Wh (Expandable to 7680Wh with EP3000-48V)
AC Output	3 x 2200W Pure Sine Wave (120V, 60Hz)
USB Output	6 ports (including PD 100W USB-C and 18W USB-A)
DC Output	1 x Cigar Port, 1 x DC Port, 1 x XT60 (12V/30A)
AC Charging Input	Up to 1400W (Full charge in 1.8 hours)
Solar Charging Input	Max 700W (Full charge in 4.5 hours)
UPS Function	10ms automatic switching
Dimensions (L x W x H)	14.8" x 9.3" x 12"
Weight	~40 lbs



Image: Pecron E1500LFP showing its dimensions: 14.8 inches long, 9.3 inches wide, and 12 inches high.

4. SETUP

4.1 Initial Charge

Before first use, fully charge the power station using the provided AC power cord. Plug the cord into the AC input port on the unit and then into a standard wall outlet. The display will show charging progress.

4.2 App Remote Control Setup

For enhanced control, download the pecron app from your device's app store (available on iOS and Android). Follow the in-app instructions to connect your power station via Wi-Fi. This allows you to monitor status and control outputs remotely.

APP REMOTE CONTROL

Easier control at your fingertips

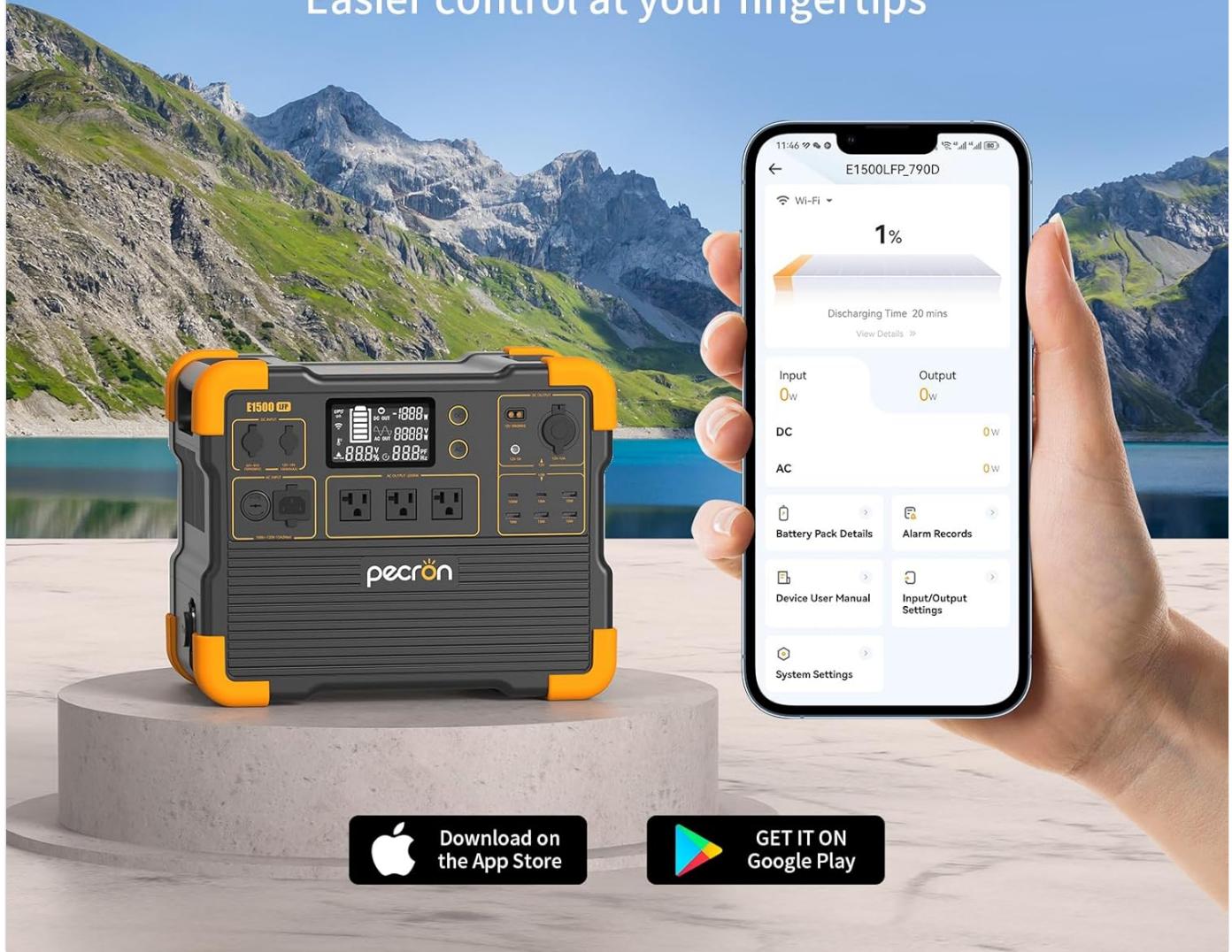


Image: Pecron E1500LFP next to a smartphone displaying the pecron app interface, showing battery status and control options.

4.3 Battery Expansion (Optional)

To expand capacity, connect compatible pecron EP3000-48V expansion batteries to the dedicated DC 48V Battery Expansion port on the unit. Refer to the expansion battery's manual for detailed connection instructions.

Expandable Capacity For Your Power Needs

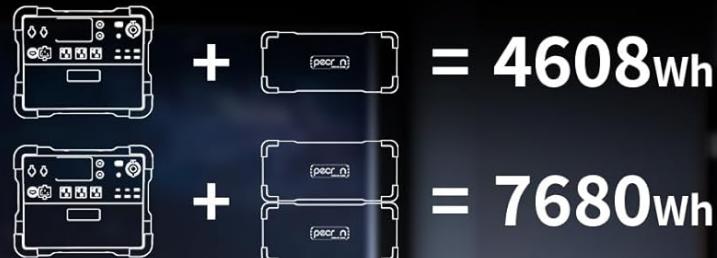

$$\begin{array}{c} \text{Diagram showing two Pecron E1500LFP units stacked together with a plus sign and the text '= 4608wh' below it.} \\ \text{Diagram showing two Pecron E1500LFP units side-by-side with a plus sign and the text '= 7680wh' below it.} \end{array}$$



Image: Pecron E1500LFP units stacked, demonstrating expandable capacity up to 7680Wh.

5. OPERATING INSTRUCTIONS

5.1 Powering On/Off

Press and hold the main power button to turn the unit on or off. The LCD display will illuminate, showing battery level, input/output wattage, and remaining runtime.

5.2 AC Output Usage

Press and hold the "AC" button to activate the AC outlets. Plug your devices into the 3-prong AC ports. Ensure the total wattage of connected devices does not exceed 2200W to prevent overload.

Power 13 Devices at once

AC 100V~120V Output

DC12V XT60 Output

DC12V Auxiliary Output

DC12V(5525)Output

USB-A/USB-C Ports



Image: Pecron E1500LFP connected to a coffee maker and a microwave oven, illustrating its ability to power multiple appliances simultaneously.

5.3 DC Output Usage

Press and hold the "DC" button to activate the DC output ports (USB, Cigar, DC, XT60). Connect your 12V and USB-powered devices. The XT60 port provides up to 30A for high-power DC devices.

5.4 UPS Function

The E1500LFP features an Uninterrupted Power Supply (UPS) function. When connected to AC power and powering devices, it will automatically switch to battery power within 10 milliseconds in case of a power outage, ensuring continuous operation for sensitive electronics like CPAP machines or computers.

ULTRA FAST CHARGING

Takes 1.8 hours to full charge



Solar charging
3.5 Hrs



AC Charging
1.8 Hrs



Car Charging
18 Hrs



Image: Pecron E1500LFP connected to a desktop computer, demonstrating its Uninterrupted Power Supply (UPS) capability.

5.5 Wireless Charging

Place your Qi-compatible smartphone on the designated wireless charging pad on top of the unit. Ensure the DC output is active for wireless charging to function.

Your browser does not support the video tag.

Video: Official Pecron E1500LFP product video demonstrating its features, including wireless charging, AC/DC output, and portability. The video highlights the unit's ability to power various devices and its fast charging capabilities.

6. CHARGING THE POWER STATION

6.1 AC Wall Charging

Connect the provided AC power cord to the AC input port. The unit supports up to 1400W fast charging, reaching 80% in 0.9 hours and full charge in 1.8 hours.

6.2 Solar Charging

Connect compatible solar panels (Max 700W input) to the DC input ports. The unit will prioritize solar charging when available. A full charge via solar takes approximately 4.5 hours under optimal sunlight conditions.

COME WITH UNINTERRUPTED POWER SUPPLY(UPS)

Automatically switch to product battery power supply within 10 milliseconds to ensure AC output



Image: Pecron E1500LFP being charged by solar panels in an outdoor setting, showcasing its solar charging capability.

6.3 Car Charging

Use the provided car charger cable to charge the unit from your vehicle's 12V cigarette lighter port. This method is slower but convenient for on-the-go charging.

7. MAINTENANCE

To prolong the battery life and ensure optimal performance:

- Recharge the unit to 60% every three months if storing for long periods.
- Discharge the battery to 30% before recharging to maintain battery health.
- Store in a cool, dry place away from direct sunlight and extreme temperatures.

- Avoid exposing the unit to water or excessive moisture.

POWERS ALMOST ALL YOUR APPLIANCES

Anytime Anywhere

2200W
output

1536Wh
capacity





Mini Refrigerator
120W
9 Hours



Micro-Wave Oven
1300W
1 Hours



Coffee Maker
1000W
40~50 Cycles



CPAP
40W
19.3 Hours

Image: Pecron E1500LFP highlighting its LiFePO4 battery, which offers 6X longer life and 3500+ cycles for enhanced durability and safety.

8. TROUBLESHOOTING

8.1 Unit Not Turning On

- Ensure the battery is not completely depleted. Charge the unit for at least 30 minutes.
- Check if the power button is pressed and held for a few seconds.

8.2 No Output from Ports

- Verify that the specific output (AC or DC) is activated by pressing its respective button.
- Check if the total wattage of connected devices exceeds the unit's maximum output. Disconnect some devices.
- Ensure cables are securely connected.

8.3 Overload Protection Activated

If the unit displays an "Overload" warning, disconnect devices immediately. The unit will automatically reset after a few seconds. Reduce the load before reconnecting devices.

8.4 App Connectivity Issues

- Ensure your smartphone's Wi-Fi is enabled and within range of the power station.
- Press and hold both the DC and AC buttons on the unit simultaneously to reset Wi-Fi and enter pairing mode.
- Restart the app and try connecting again.

9. WARRANTY AND SUPPORT

9.1 Warranty Information

The pecron E1500LFP Portable Power Station comes with a 2+3 years worry-free warranty. Please refer to the warranty card included in your package for full terms and conditions.

9.2 Customer Support

For any questions, technical assistance, or warranty claims, please contact pecron customer service. Our team is available 24 hours a day, 7 days a week to provide friendly and efficient support.

Visit the official pecron website for contact details and additional resources:[pecron Official Store](#)