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pecron E600LFP

pecron E600LFP Portable Power Station User Manual

Model: E600LFP



1. INTRODUCTION

This user manual provides essential information for the safe and efficient operation of your pecron E600LFP Portable Power Station. The E600LFP is a versatile 614Wh capacity power station with 1200W rated power, designed to provide reliable power for various applications, including outdoor activities, camping, and emergency backup.



Figure 1: pecron E600LFP Portable Power Station.

2. SAFETY INFORMATION

Please read all safety warnings and instructions carefully before using this product. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- The E600LFP utilizes an ultra-safe LiFePO₄ battery.
- Equipped with a Built-in Battery Management System (BMS) for self-protection against short circuits, overloads, and overheating.
- The 120V Pure-sine wave inverter ensures no damage to sensitive electronic devices.
- Do not expose the unit to rain or moisture.
- Do not disassemble or attempt to repair the unit. Contact authorized service personnel.
- Ensure proper ventilation during use and charging.



Safety & Durable

Using LiFePO4 battery with Build-in BMS.
Takes 3500+ safe cycle without.

Figure 2: Built-in BMS for enhanced safety and durability.

3. SETUP

Upon receiving your pecron E600LFP, it is recommended to fully charge the unit before first use.

3.1 Unpacking

Verify that all components are present in the package:

- pecron E600LFP portable power station (x1)
- AC Charger (x1)
- MC4 Solar Charging Cable (LSMC4-5GX16) (x1)
- Car Charging Cable (x1)
- Accessory Pack (x1)
- User Manual (x1)

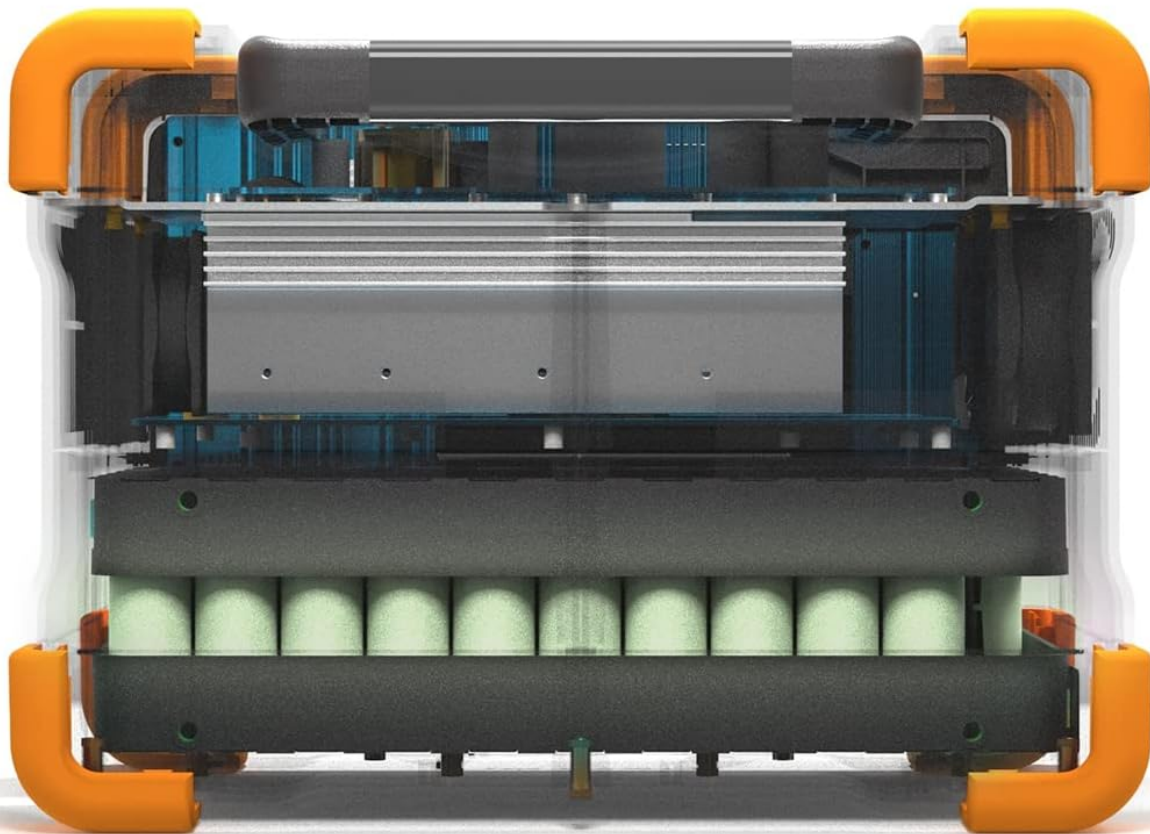
3.2 Initial Charging

Connect the provided AC Charger to the AC input port on the power station and then to a standard wall outlet. The LCD display will indicate charging status. A full charge from a standard wall outlet takes approximately 2.2 hours.

Built In BMS

3500+
Life Cycle

LiFePO4
Battery Type



Low-voltage



Short-circuit



Over-heat



Low-temperature
protection



Over-voltage



Over-current



Over-load



Battery failure

Figure 3: Fast recharging options for the E600LFP.

4. OPERATING INSTRUCTIONS

The pecron E600LFP is designed for intuitive operation. Familiarize yourself with the various output ports and controls.

Powers 11 Devices Simultaneously



Figure 4: Overview of E600LFP ports and features.

4.1 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 estimated runtime.

4.2 AC Output

The E600LFP features 3x 1200W AC outlets. Press the AC output button to enable or disable AC power. Ensure your devices do not exceed the 1200W rated power.

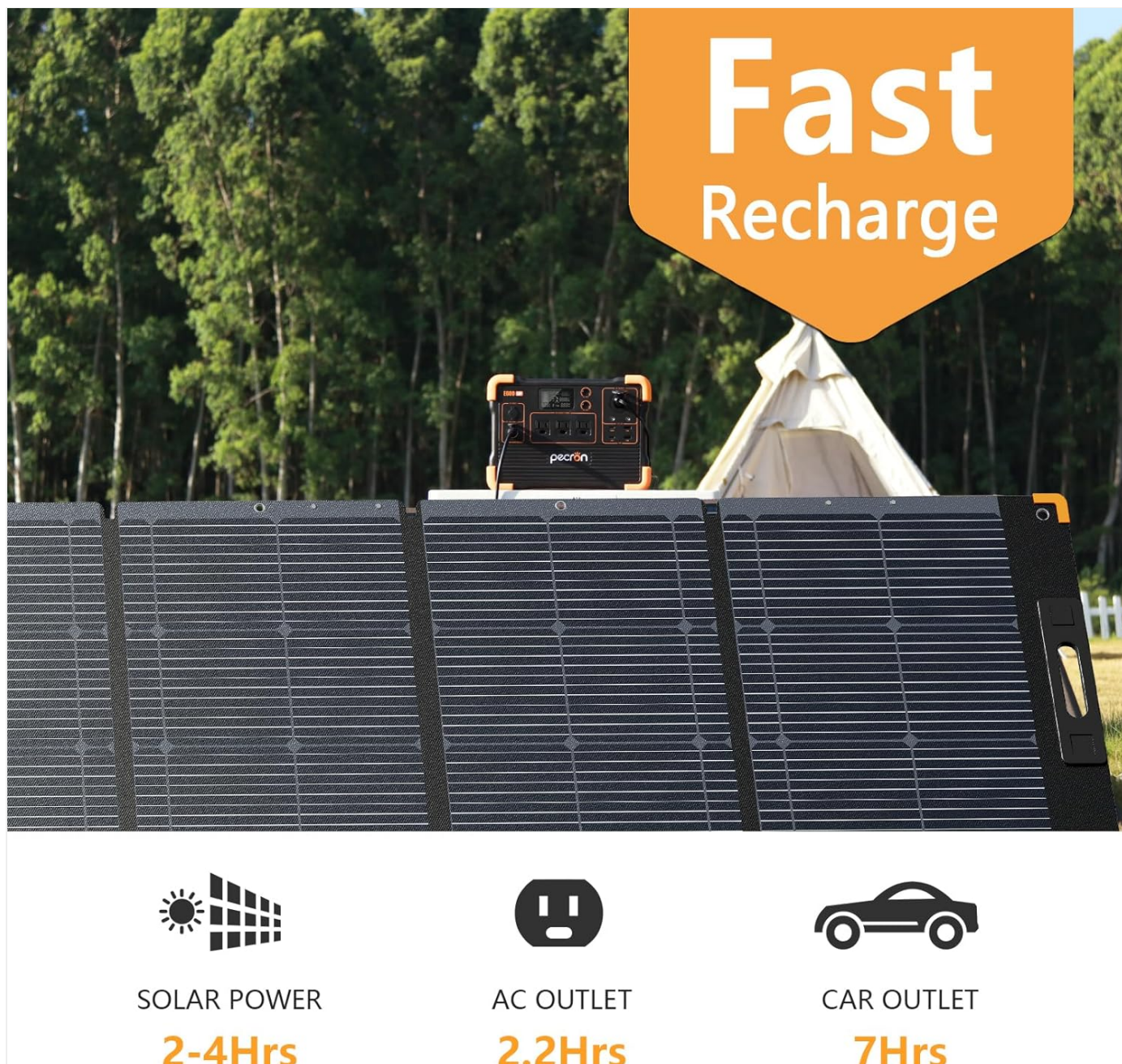


Figure 5: The E600LFP can power up to 90% of common appliances.

4.3 DC Output

The unit includes 2x USB-C ports (18W/100W), 2x USB-A ports, and 1x 12V Cigar port. Press the DC output button to activate these ports. A wireless charger is also integrated.

4.4 Charging Options

- **AC Wall Outlet:** Fully charges in approximately 2.2 hours.
- **Solar Charging:** Connect compatible solar panels (sold separately) via the MC4 Solar Charging Cable. The built-in MPPT controller optimizes charging. Max input is 300W.
- **Car Charging:** Use the provided car charging cable to charge from your vehicle's 12V outlet.

Power Up To 90% Of Appliances

614Wh Capacity



The Pecron E600 is a black and yellow portable power station with a digital display and multiple outlets. It is shown on a wooden table next to a lantern, a cooler, and a tent in the background.



Laptop
60Wh
8 Times



CPAP
40W
13 Hrs



50"TV
110W
4.7 Hrs



Fridge
120Wh
4.3 Times



Figure 6: Fast solar charging capability with up to 300W max input.



Figure 7: Car charging provides additional flexibility.

5. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your E600LFP power station.

- **Storage:** Store the unit in a cool, dry place away from direct sunlight and extreme temperatures. For long-term storage, charge the unit to 50-80% every 3-6 months.
- **Cleaning:** Use a dry, soft cloth to clean the exterior of the unit. Do not use abrasive cleaners or solvents.
- **Battery Life:** The LiFePO4 battery is designed for 3500+ life cycles, providing excellent durability.

6. TROUBLESHOOTING

If you encounter issues with your E600LFP, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Unit does not power on.	Battery is fully discharged.	Connect to AC charger and allow to charge for at least 30 minutes.
AC output not working.	AC output not enabled; Overload protection activated.	Press the AC output button. Reduce connected load to below 1200W.
Slow charging.	Using a low-power charging source (e.g., car charger vs. AC).	Ensure AC charger is properly connected. For solar, optimize panel placement for maximum sunlight.
Unusual noise during operation.	Cooling fan operating.	This is normal. The unit operates below 50dB. Ensure vents are not blocked.



Figure 8: The E600LFP operates quietly, below 50dB.

7. SPECIFICATIONS

Feature	Detail
Model Name	E600 LFP
Capacity	614Wh
Rated Power	1200W
Peak Power	2400W (Surge)
Battery Type	LiFePO4
AC Output	3x 120V AC Outlets

Feature	Detail
USB-C Output	2x (18W/100W PD)
USB-A Output	2x
DC Output	1x 12V Cigar Port
Wireless Charging	Yes
AC Charging Time	Approx. 2.2 hours
Solar Input (Max)	300W (MPPT)
Dimensions (L x W x H)	12"L x 8"W x 9"H
Item Weight	20 Pounds
Protections	Over-Voltage, Overheat, Overload, Short-Circuit, Self-Recovery



Figure 9: Dimensions of the E600LFP Portable Power Station.

8. WARRANTY AND SUPPORT

pecron provides comprehensive support for its products.

8.1 Warranty Information

The pecron E600LFP power station comes with a **12-month worry-free warranty**. If the original purchaser registers their purchase within 30 days of purchase, the power station warranty is extended for an additional 1 year, totaling 2 years. The Accessory Pack, AC Power Cord, Solar charging cable, and Car Charger cable are warranted for one year.

8.2 Customer Service

For any questions, technical assistance, or warranty claims, please contact pecron customer service. They offer 24hrs/7d friendly customer service.

Visit the official pecron website for the most up-to-date contact information and support resources:[pecron Official Store](#)

