

pecron Double Voltage Hub for E3600LFP

pecron Double Voltage Hub for E3600LFP Power Station

Model: 240V Double Voltage Box 7200W Max

INTRODUCTION

The pecron Double Voltage Hub is designed to enhance the capabilities of your pecron E3600LFP Power Station. By connecting two E3600LFP units with this hub, you can achieve a maximum output of 7200W at 240V, enabling you to power high-demand devices and integrate with home power systems. This manual provides essential information for the safe and efficient use of your Double Voltage Hub.

KEY FEATURES

- **Double Power Output:** Connect two pecron E3600LFP power stations to achieve a combined 7200W 240V output.
- **Multiple Outlets:** Equipped with two BS-U20 receptacles (20A) and one NEMA L14-30 receptacle (30A) to meet diverse power requirements.
- **Portable Design:** Compact and lightweight for easy transport and minimal space occupation.
- **Expandable System:** The E3600LFP power station supports connection with up to four additional batteries for increased capacity.
- **Independent Battery Functionality:** Each extra battery unit can function independently, offering DC outputs and solar input.
- **Advanced Display:** Intuitive touchscreen display provides detailed information on battery health, input/output settings, and system status.

WHAT'S IN THE BOX

The standard package for the pecron Double Voltage Hub includes:

- Double Voltage Box (120V to 240V) x1
- RJ45 Cable x1
- Cross Screw x8
- Plastic Expansion Pipe x8
- User Instruction x1

Additional accessories for the E3600LFP Power Station (sold separately or included with the main unit/extra batteries) may include:

- Accessory Case for cables
- AC Charging Cable (1800W at 120V)
- MC4 Cable with XT60 connector for solar charging
- Parallel cables for multiple inputs
- Battery cables for battery charging
- Small screwdriver for battery numbering adjustments
- 12V Socket Car Charging Adapter
- Battery numbering stickers and glow-in-the-dark stickers for AC/DC buttons
- Extra Battery Cable with twisting ends for secure connection
- Anderson cable for up to 30A charging
- 5521 Barrel Port cable for charging
- 12V Socket and 5521 output cables
- Jumper cables for battery charging
- Connection hardware to secure extra batteries
- 120V 30A charging cable (3200W max charging, sold separately)

SETUP

Connecting the Double Voltage Hub

To achieve 240V output and maximize power, connect two pecron E3600LFP Power Stations using the Double Voltage Hub. Ensure both power stations are turned off before making connections.

1. Place the two E3600LFP power stations side-by-side or in a stacked configuration.
2. Connect the provided RJ45 cable between the two E3600LFP units' synchronous interfaces.
3. Connect the Double Voltage Hub to the designated 240V output ports on both E3600LFP units.
4. Secure the Double Voltage Hub using the provided cross screws and plastic expansion pipes if mounting is desired.

INCREASE YOUR POWER 7200W 240V AC Output

Dual voltage hub requires additional purchase



Image: Two pecron E3600LFP power stations connected to the Double Voltage Hub for 240V output.



Image: Multiple stacked pecron E3600LFP units with extra batteries and the Double Voltage Hub.

2*E3600LFP+Connect box can up to 7200W 240V Output!

(Connect box sold separately)



Image: Two pecron E3600LFP power stations with extra batteries connected to the Double Voltage Hub.



Image: Close-up of the pecron Double Voltage Hub, highlighting its outlets.

Connecting Extra Batteries

The E3600LFP Power Station can be expanded with up to four extra batteries. Use the provided extra battery cables and connection hardware to secure and link the batteries to the main unit. The 90-degree design of the cables allows for flexible stacking configurations without taking up excessive space.



Image: Two pecron E3600LFP power stations with extra batteries and a Double Voltage Hub Trolley Kit.

OPERATING INSTRUCTIONS

Display Interface

The E3600LFP features an intuitive touchscreen display. You can navigate through various menus to monitor and adjust settings:

- **Battery Health Status:** View the consistency and status of individual battery cells.
- **Input and Output Settings:** Adjust AC charging speed, XT60 charging port mode (independent), and discharge/charge restrictions (0%-100%).
- **System Settings:** Configure automatic dimming, ECO mode, screen touch sensitivity, Wi-Fi reset, screen brightness, touch sound, time settings, temperature unit (Celsius/Fahrenheit), language, and restore factory settings.
- **Simple Mode:** A simplified display showing essential information. In this mode, screen touch functionality is disabled, and controls are managed via physical buttons or the app.
- **Alarm Record:** Access a log of system alerts and warnings.
- **About Equipment:** View device information.

The display also provides real-time data such as output power, DC12V voltage, DC module temperature, AC output voltage, output frequency, and inverter temperature. For solar input, it shows volts, amps, and combined wattage for each input.

Charging the E3600LFP Power Station

The E3600LFP offers multiple charging options:

- **AC Input:** Connect the AC charging cable to the AC input port. The unit supports up to 1800W charging with the standard cable, and up to 3200W with an optional 120V 30A charging cable (sold separately).
- **DC Inputs:**
 - 12-30V, 150W (Max) input for 12V charging or small solar panels.
 - 32-150V, 1200W (Max) x2 XT60 connectors for a total of 2400W solar input.
- **Car Charging:** Use the 12V socket car charging adapter to charge from your vehicle.
- **Simultaneous AC and DC Charging:** The E3600LFP can be charged via both AC and DC inputs simultaneously, even while using the AC inverter.

Output Ports

The E3600LFP provides a variety of output ports:

- **AC Outputs:** Four 20A AC outlets and one TTR 30A (travel trailer 30A) plug, providing a total AC output

of 3600W.

- **DC Outputs:**
 - 12V 30A outlet (ideal for diesel heaters).
 - 12V 5A (5521 barrel port).
 - 12V 10A socket.
- **USB Outputs:** Two USB-C ports (100W PD) and two USB-A ports (18W) for charging smart devices.
- **Wireless Charging:** Two wireless charging pads on top of the unit.

Independent Extra Battery Functionality

Each pecron extra battery unit is designed to function independently, offering its own inputs and outputs. This allows for versatile use as a standalone backup power source:

- **DC Outputs:** 12V 30A, PD 100W USB-C, and 18W USB-A.
- **DC Input:** 12-95V, 400W for solar charging with a built-in charge controller.
- **Cooling Fans:** Each extra battery unit includes its own cooling fans.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your pecron Double Voltage Hub and E3600LFP Power Station.

- Keep the unit clean and free from dust and debris.
- Ensure proper ventilation by not obstructing the cooling fans.
- Store the unit in a cool, dry place when not in use.
- Check cables and connections regularly for any signs of wear or damage.
- Periodically check for firmware updates via the pecron app to ensure optimal performance and address any known issues.

TROUBLESHOOTING

- **Overcurrent Protection:** If the unit experiences an overcurrent, it may trigger the overcurrent protection. Press the reset button located on the left side of the unit to restore operation.
- **RV AC Converter Loop:** When using the power station to power an RV, ensure your RV's internal AC converter is turned off. Running both simultaneously can create a loop, draining the power station unnecessarily. Allow your solar system to charge the batteries instead.
- **12V Socket Overload:** If the 12V socket experiences an overload (e.g., pulling over 200W for extended periods), it may not shut off as expected, potentially causing damage. This is a known issue that requires a firmware update to address. Contact pecron support for the latest firmware.
- **Inverter Noise:** Some users may experience minimal noise from the inverter. While generally not an issue for most applications, users with sensitive equipment like ham radios may find it noticeable.

SPECIFICATIONS

Feature	Specification
---------	---------------

Feature	Specification
Product Model	Double Voltage Hub for E3600LFP Power Station
Max Output (with 2 E3600LFP)	7200W Max, 240V
Hub Outlets	2x BS-U20 (20A), 1x NEMA L14-30 (30A)
E3600LFP AC Output	3600W (Pure Sine Wave)
E3600LFP Capacity	3072Wh (Expandable up to ~15.4 kWh with 4 extra batteries)
E3600LFP AC Input	100Vac-120Vac 30A Max (up to 3200W charging)
E3600LFP DC Inputs	12-30V 150W (Max), 32-150V 1200W (Max) x2 (XT60)
E3600LFP DC Outputs	12V 30A, 12V 5A, 12V 10A
E3600LFP USB Outputs	USB-C PD 100W, USB-A 18W x2
E3600LFP Wireless Charging	2x Wireless Charging Pads
Extra Battery DC Input	12-95V 400W
Extra Battery DC Outputs	12V 30A, PD 100W USB-C, 18W USB-A

WARRANTY AND SUPPORT

The pecron E3600LFP Power Station and its accessories typically come with a 2-3 year warranty. To activate your warranty and receive support, please register your product within 30 days of purchase. Refer to the included user manual for detailed registration instructions.

For technical assistance or warranty claims, please contact pecron customer support through their official website or the contact information provided in your product documentation.