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OUPES HP6000

OUPES Guardian 6000 Portable Power Station (Model HP6000) User Manual

This manual provides essential instructions for the safe and efficient operation, maintenance, and troubleshooting of your OUPES Guardian 6000 Portable Power Station. Please read this manual thoroughly before using the product.

1. Important Safety Instructions

To ensure safe operation, always follow these basic precautions:

- Do not disassemble, repair, or modify the unit. Incorrect reassembly may cause fire or injury.
- Do not expose the unit to fire or high temperatures (above 60°C/140°F).
- Do not use or store the unit in direct sunlight, near heat sources, or in high humidity environments.
- Keep the unit away from water and other liquids.
- Ensure proper ventilation during use to prevent overheating.
- Do not insert foreign objects into the ports or openings.
- Keep out of reach of children and pets.
- Use only original or certified cables and accessories.
- In case of fire, use a dry powder fire extinguisher.

2. Package Contents

Verify that all items are included in your package:

- 1x OUPES Guardian 6000 Power Station (Model HP6000)
- AC Charging Cable
- User Manual

3. Product Overview

The OUPES Guardian 6000 is a versatile portable power station designed for various applications, from home backup to off-grid adventures. It features a 4608Wh LiFePO4 battery, 6000W continuous output (7200W boost), and dual 120V/240V voltage capability.



Image: The OUPES Guardian 6000 Portable Power Station, showcasing its compact design.

Key Features:

- **Dual Voltage Output:** Provides both 120V and 240V power for a wide range of appliances and tools.
- **Expandable Capacity:** Base capacity of 4608Wh, expandable up to 41,472Wh with optional G5 Extra Battery packs.
- **Rapid Recharge:** Fully recharges in approximately 90 minutes using combined 240V AC and solar inputs.
- **LiFePO4 Battery:** Military-grade cells rated for over 4000 cycles, ensuring long lifespan and safety.
- **Smart Connectivity:** Monitor and control the power station remotely via the OUPES mobile app.
- **Home Integration Ready:** Connects directly to standard transfer switches or inlet boxes for home backup.



Image: The OUPES Guardian 6000 demonstrating its expandable power ecosystem with multiple G5 extra batteries, providing comprehensive home power.

Ports and Display:

The Guardian 6000 features a comprehensive array of output ports and an intuitive display for monitoring.



Image: A detailed diagram illustrating the various input and output ports on the OUPES Guardian 6000, including AC outlets, USB ports, and XT90.



Image: A close-up of the OUPES Guardian 6000's output ports, including NEMA 14-50R, TT-30R, L14-30E, 6-20R, and 5-20R AC outlets.



Image: An internal view of the OUPES Guardian 6000, highlighting its LiFePO4 battery cells, which provide a long cycle life and enhanced safety.

Your browser does not support the video tag.

Video: An overview of the OUPES Guardian 6000 Power Station, demonstrating its features and capabilities.

4. Setup

Initial Charging:

Before first use, fully charge your OUPES Guardian 6000. Connect the provided AC charging cable to the unit's AC input port and then to a wall outlet. The display will indicate the charging status. A full charge is recommended to optimize battery performance.

5. Operating Instructions

Charging the Power Station:

The Guardian 6000 supports multiple charging methods:

- **AC Wall Outlet:** Connect the AC charging cable to a standard wall outlet. The unit supports 120V and 240V

AC input for rapid charging.

- **Solar Panels:** Connect compatible solar panels (12-140V wide range, up to 2100W input) to the solar input port. Ensure correct polarity.
- **Car Charger:** Use a compatible car charger to charge the unit from your vehicle's 12V outlet.



Image: A visual representation of the different charging methods available for the OUPES Guardian 6000, including gas generators, solar panels, grid power, and a combination of grid and solar.



Image: A graphic detailing the rapid recharge times for the OUPES Guardian 6000, showing approximate durations for 120V AC, 240V AC, Solar, and combined AC+Solar inputs.

Discharging the Power Station:

Connect your devices to the appropriate output ports (AC, USB-C, USB-A, 12V car port, XT90). Press the corresponding power button for the output type you wish to use. The display will show the current output wattage.



Image: The OUPES Guardian 6000 providing power to a range of household appliances, demonstrating its capability to handle both 120V and 240V loads.

Smart App Control:

Download the OUPES app from your smartphone's app store. Connect the Guardian 6000 to your Wi-Fi network to enable remote monitoring and control. The app allows you to track energy usage, adjust settings, and manage charging/discharging schedules.



Image: A smartphone screen showing the OUPES app, which allows users to monitor and control their Guardian 6000 power station remotely.

Home Integration:

The Guardian 6000 can be integrated into your home's electrical system via a standard transfer switch or inlet box. This allows the power station to provide backup power to your entire home during outages without requiring an electrician for initial setup.



Image: The OUPES Guardian 6000 connected to a home's transfer switch, illustrating its seamless integration for whole-house backup power.

6. Maintenance

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

- **Storage:** Store the unit in a cool, dry place away from direct sunlight and extreme temperatures. For long-term storage, charge the battery 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 Care:** Avoid fully discharging the battery frequently. Regular partial discharges and recharges are beneficial for LiFePO4 batteries.
- **Ventilation:** Ensure the ventilation openings are clear of dust and debris to prevent overheating.

7. Troubleshooting

If you encounter issues, refer to the table below for common problems and solutions.

Problem	Possible Cause	Solution
Unit does not turn on	Battery is completely discharged	Connect to an AC outlet for charging.
AC output not working	AC output not enabled / Overload protection triggered	Press the AC power button. Reduce the load on the AC outlets.
Slow charging via solar	Insufficient sunlight / Incorrect panel connection / Shading	Ensure panels are in direct sunlight. Check connections and polarity. Remove any shading.
App connectivity issues	Wi-Fi signal weak / Incorrect setup	Ensure the unit is within Wi-Fi range. Follow app instructions for setup. Restart the unit and app.
Unit is overheating	Poor ventilation / Excessive load	Ensure vents are clear. Reduce connected load. Move to a cooler environment.

If the problem persists, contact OUPES customer support.

8. Specifications

Detailed technical specifications for the OUPES Guardian 6000 (Model HP6000):

Feature	Detail
Model Name	HP6000
Battery Capacity	4608Wh LiFePO4
Output Wattage (Running)	6000 Watts
Output Wattage (Starting/Surge)	9000 Watts
Voltage	120V/240V Dual Voltage
Total Power Outlets	5 AC outlets (NEMA 14-50R, TT-30R, L14-30E, 6-20R, 5-20R), USB-C PD (140W), USB-A QC3.0, 12V car port, XT90
Solar Input Capacity	2100W (12-140V wide range)
Recharge Time (0-100%)	Approx. 90 minutes (combined 240V AC + Solar)
Item Weight	111 Pounds
Product Dimensions	24.9"L x 16.2"W x 16.8"H
Special Features	120V/240V dual voltage, 12V/24V XT90 output, Expandable to 41kWh, Fast 90-Min charging, Home transfer switch ready

9. Warranty and Support

The OUPES Guardian 6000 Portable Power Station comes with a 5-year warranty. For technical assistance, warranty claims, or any product-related inquiries, please contact our dedicated US-based support team. Refer to the warranty card included in your package for detailed terms and conditions.

Contact Information: Please visit the official OUPES website or refer to your product packaging for the most current support contact details.

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