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OUPES Exodus 2400 + 2*240W Panel

OUPES Exodus 2400 Solar Generator User Manual

Model: Exodus 2400 + 2*240W Panel

Brand: OUPES

1. INTRODUCTION

The OUPES Exodus 2400 Solar Generator is a high-capacity portable power station designed to provide reliable power for various applications, including RV use, home backup during outages, and professional outdoor activities. It features a robust LiFePO4 battery, multiple output options, and flexible charging capabilities to ensure power availability wherever needed.



Figure 1: OUPES Exodus 2400 Portable Power Station with included solar panels.

2. KEY FEATURES

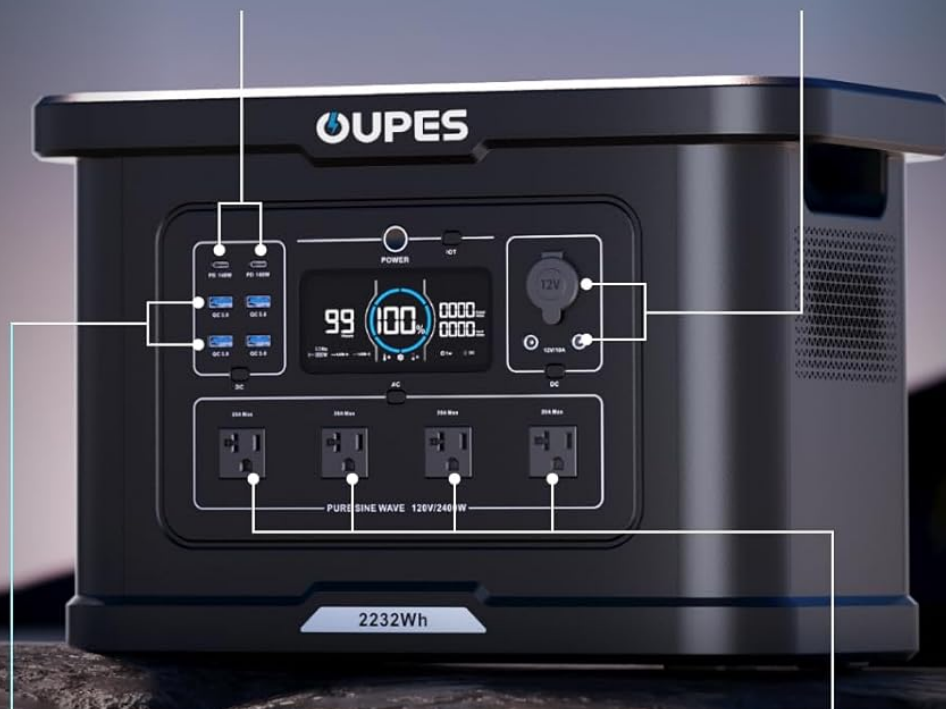
- **High Capacity & Output:** 2232Wh battery capacity with 2400W AC output (2600W Boost, 4500W Peak) to power a wide range of devices and appliances.
 - **Durable LiFePO4 Battery:** Offers 3500+ charging cycles and a 10-year lifespan, providing long-term reliability.
 - **Multiple Output Ports:** Equipped with 4x AC outlets, 4x QC3.0 USB-A, 2x 140W USB-C, and 3x DC ports, allowing simultaneous charging of up to 13 devices.
 - **Fast Charging:** Supports 1400W AC charging (0-80% in 1.2 hours) and up to 800W solar input (0-80% in 2-4 hours under ideal conditions). Hybrid AC+Solar charging can achieve 0-80% in 50 minutes.
 - **Uninterruptible Power Supply (UPS):** Provides seamless power transfer in less than 20ms during outages, safeguarding sensitive electronics.
 - **Smart APP Control:** Monitor solar input, battery health, and device consumption via WiFi/Bluetooth connectivity.
 - **Portable Design:** Weighs 45.2 lbs with ergonomic handles for easy transport, making it suitable for various outdoor and indoor scenarios.
-

Power Up to 13 Devices Simultaneously

4x AC Outlets | **4x** QC3.0 USB-A | **2x** 140W USB-C | **3x** DC

 USB-C 140W

 DC 12V/10A



 USB-A 18W

 **AC 2400W**
(Max 2600W, Surge 4500W)

Figure 2: Front panel view highlighting the diverse output options.

3. SETUP

3.1 Unboxing and Initial Inspection

Upon receiving your OUPES Exodus 2400, carefully unpack all components. The package should include: 1x Exodus 2400 Portable Power Station, 2x 240W Solar Panels (if purchased as a bundle), AC charging cable, car charging cable, and solar charging adapter cable. Inspect all items for any signs of damage during transit. If any components are missing or damaged,

contact customer support immediately.

3.2 Initial Charging

Before first use, it is recommended to fully charge the power station. Connect the provided AC charging cable to the AC input port on the back of the unit and plug it into a standard wall outlet. The LCD screen will display the charging status. For faster charging, ensure the unit is set to 1400W AC charging mode via the mobile app or unit settings. The unit can reach 80% charge in approximately 1.2 hours via AC.

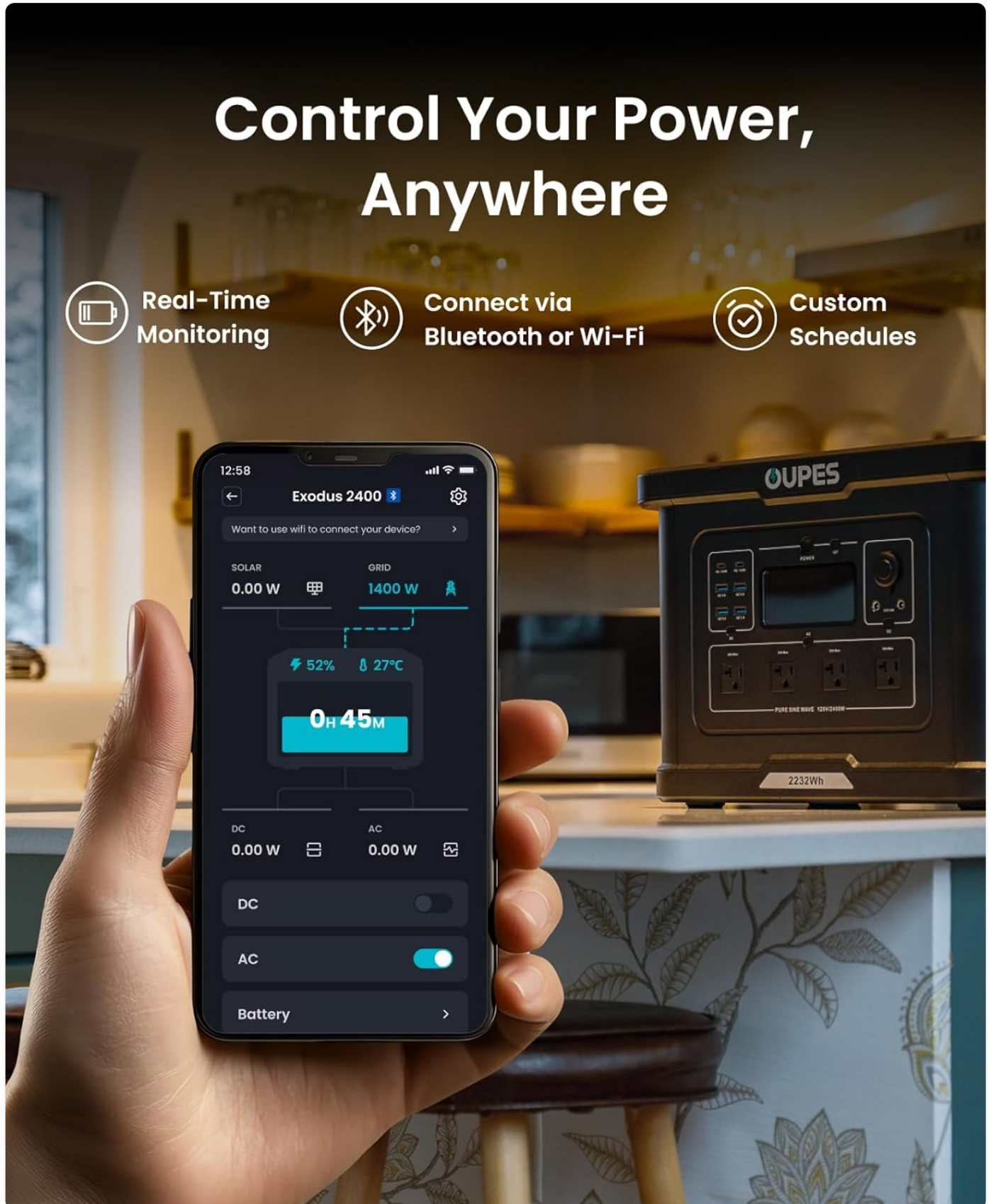


Figure 3: Connecting the power station to an AC outlet for charging.

3.3 Connecting Solar Panels

To charge using solar power, unfold the solar panels and position them in direct sunlight. Connect the solar panels to the power station using the provided solar charging adapter cable. The unit supports up to 800W of solar input. The LCD screen will show the incoming solar wattage. For optimal performance, adjust the panel angle periodically to maximize sun exposure.

Power Meets Portability

45.2 lbs | 17.9"x10.6"x12.2"(LxWxH)

10% Lighter vs. Competitors

Figure 4: Solar panels connected to the power station for charging.

4. OPERATING INSTRUCTIONS

4.1 Powering On/Off

To power on the OUPES Exodus 2400, press and hold the main "POWER" button located on the front panel. The LCD screen will illuminate, indicating the unit is active. To power off, press and hold the "POWER" button again until the screen turns off.

4.2 Using AC, DC, and USB Outputs

After powering on the unit, you can activate specific output sections by pressing their respective buttons (AC, DC, or IoT for USB/12V ports). The LCD screen will show the output wattage for each active section. Plug your devices into the appropriate ports. The unit can power up to 13 devices simultaneously.

Your browser does not support the video tag.

Video 1: Demonstrates the various output ports and their usage on the OUPES Exodus 2400. The video shows how to connect different devices and monitor power output on the display.

4.3 Monitoring with the APP

Download the OUPES mobile application from your device's app store. Connect your power station via Bluetooth or Wi-Fi. The app allows for real-time monitoring of solar input, battery health, and device consumption. You can also adjust settings like AC recharging speed and set AC timeout preferences directly from your smartphone.

Charge Fast, Adventure More

Flexible Charging Solutions for Any Situation



AC

charging 0-80% in

1.2 Hrs



Solar

charging 0-80% in

2-4 Hrs



Car

charging 0-80% in

15 Hrs



AC+Solar

charging 0-80% in

50 Mins

*Based on using 800W solar input in an ideal environment.

Figure 5: The OUPES mobile application provides comprehensive control and monitoring features.

4.4 Uninterruptible Power Supply (UPS) Mode

For critical devices that require continuous power, connect the power station to a wall outlet and then plug your devices into the power station's AC outlets. In UPS mode, the unit will seamlessly switch to battery power in less than 20ms if the grid power fails, ensuring uninterrupted operation for computers, CPAP machines, refrigerators, and security cameras.

Built to Last with LiFePO4 Battery

3500+
Cycles

6x
Longer

10-Year
Lifespan

5-Year
Warranty



Figure 6: The UPS function provides reliable backup power for essential devices.

5. MAINTENANCE

5.1 Battery Management System (BMS)

The OUPES Exodus 2400 features a built-in Battery Management System (BMS) that protects the LiFePO4 battery from overcharging, overheating, short-circuits, over-discharge, and over-voltage. The BMS also monitors battery health to ensure optimal performance and a longer lifespan.

5.2 General Care and Storage

- Store the power station in a cool, dry place away from direct sunlight and extreme temperatures.
- Avoid exposing the unit to water or high humidity.
- Clean the exterior with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- For long-term storage, charge the battery to approximately 50-80% and recharge every 3-6 months to maintain battery health.

6. TROUBLESHOOTING

If you encounter issues with your OUPES Exodus 2400, please refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Unit not turning on	Battery fully discharged; Power button not held long enough.	Charge the unit; Press and hold the power button for 3-5 seconds.
No output from ports	Output sections not activated; Overload protection triggered.	Press the AC/DC/IoT button to activate; Reduce connected load and restart the unit.
Slow charging via solar	Insufficient sunlight; Panels not angled correctly; Shading on panels.	Ensure direct sunlight; Adjust panel angle; Remove any shading.
App not connecting	Bluetooth/Wi-Fi off; Unit too far from device.	Ensure Bluetooth/Wi-Fi is enabled on both devices; Move closer to the unit.

7. SPECIFICATIONS

Attribute	Value
Brand	OUPES
Model Name	Exodus 2400 + 2*240W Panel
Wattage	2400 watts
Fuel Type	Solar
Power Source	Battery Powered
Item Weight	45.2 Pounds
Voltage	120 Volts (AC)
Output Wattage	2400
Product Dimensions	17.9"L x 10.6"W x 12.2"H
Total Power Outlets	6 (AC) + 7 (DC/USB) = 13
Starting Wattage	2600 Watts
Running Wattage	2400 Watts
Date First Available	April 23, 2025

8. WARRANTY AND SUPPORT

The OUPES Exodus 2400 Solar Generator comes with a 5-year warranty. For any product inquiries, technical support, or warranty claims, please contact OUPES customer service. The manufacturer is Guangdong Weipeng Shiji New Energy Technology Co., Ltd.

For further assistance, please visit the [OUPES Store on Amazon](#).