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Jackery JE-3000B

Jackery Explorer 3000 v2 Portable Power Station User Manual

Model: JE-3000B

1. Introduction

Thank you for choosing the Jackery Explorer 3000 v2 Portable Power Station. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your device. Please read this manual thoroughly before using the product and retain it for future reference.

2. Safety Instructions

WARNING: Failure to follow these instructions may result in electric shock, fire, serious injury, or property damage.

- Do not disassemble, repair, or modify the unit.
- Do not place the unit near fire or expose it to heat. Keep out of direct sunlight.
- Do not charge, use, or store the unit in a bathroom or in an area exposed to rain or moisture.
- Use only the provided or approved accessories.
- Do not use the unit if it is damaged or has been modified.
- Keep the unit away from children and pets.
- Ensure proper ventilation during use and charging. Do not cover the unit.
- Do not insert foreign objects into the ports or openings.
- Handle with care to avoid dropping or severe impacts.
- Dispose of the unit according to local regulations.

3. Product Overview

The Jackery Explorer 3000 v2 is a portable power station designed to provide reliable power for various applications, including camping, RVing, home backup, and emergencies. It features a high-capacity LiFePO4 battery and multiple output ports.

3.1 Key Features

- **High Capacity:** 3072Wh capacity with 2990W output (dual AC ports).
- **Fast Charging:** Charges from 0% to 100% in approximately 110 minutes via AC, 3.5 hours with 1000W solar input, or 84 minutes with combined AC+Solar.
- **Compact and Lightweight:** Weighs 27kg and is 47% smaller than conventional 3kWh models, utilizing Cell-to-Body (CTB) technology.
- **UPS Functionality:** UL1778-certified Uninterruptible Power Supply provides backup power within 20 milliseconds during outages.
- **Durable Battery:** LiFePO4 battery with a lifespan of up to 10 years.
- **Quiet Operation:** Near-silent charging mode at under 27dB.
- **Safety:** Features Next-Gen ChargeShield 2.0 with 62 layers of protection.

3.2 Package Contents

- Jackery Explorer 3000 v2 Portable Power Station
- AC Charging Cable
- User Manual

3.3 Product Diagram



Figure 3.1: Front view of the Jackery Explorer 3000 v2, showing the display, power button, USB-A ports, USB-C ports, and AC outlets.

This image displays the main unit of the Jackery Explorer 3000 v2. The front panel features a central LCD display, a power button, two USB-A output ports, two USB-C PD output ports, and two standard AC output sockets. The overall design is robust and portable with integrated handles.

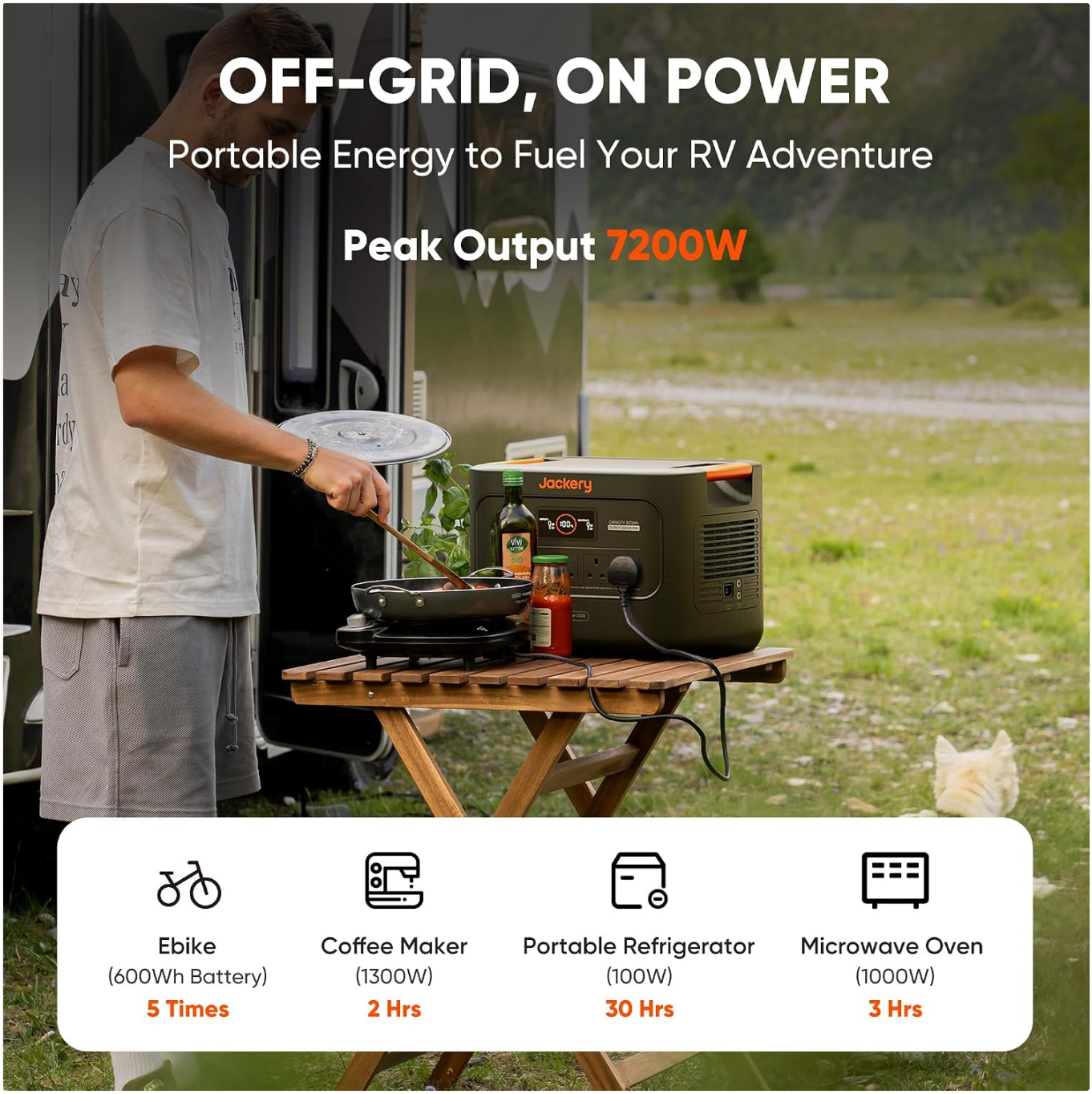


Figure 3.2: Dimensions and weight of the Jackery Explorer 3000 v2.

This image highlights the compact size and weight of the Jackery Explorer 3000 v2. It shows the unit in a home setting with a person vacuuming and another using a laptop, demonstrating its integration into daily life. Dimensions are indicated as 41.6cm (length), 30.5cm (width), and 32.5cm (height), with a product weight of 27kg. Text emphasizes it is 43% lighter and 47% smaller than average 3kWh products.

4. Setup and Initial Use

4.1 Unpacking

Carefully remove all components from the packaging. Inspect the unit for any signs of damage. If any damage is found, do not use the product and contact customer support.

4.2 Initial Charging

Before first use, it is recommended to fully charge the Jackery Explorer 3000 v2. This helps to calibrate the battery management system and ensures optimal performance.

1. Connect the AC charging cable to the AC input port on the power station.
2. Plug the other end of the AC charging cable into a standard wall outlet (100V-120V AC).
3. The LCD display will show the charging status and battery percentage.
4. Charge until the display shows 100%.



Figure 4.1: AC Fast Charging method.

This image illustrates the AC Fast Charging method for the Jackery Explorer 3000 v2. The power station is shown connected to a wall outlet via its AC charging cable, with an estimated charging time of 1.8 hours from 0 to 100% (default). The display shows the charging progress.

5. Operating Instructions

5.1 Powering On/Off

- **To Power On:** Press and hold the main Power Button for approximately 3 seconds until the LCD display illuminates.
- **To Power Off:** Press and hold the main Power Button for approximately 3 seconds until the LCD display turns off.

Note: The unit may automatically power off after a period of inactivity to conserve battery.

5.2 LCD Display

The LCD display provides real-time information about the power station's status:

- **Battery Level Indicator:** Shows the current battery percentage.
- **Input Power:** Displays the wattage being drawn during charging.
- **Output Power:** Displays the wattage being consumed by connected devices.
- **Remaining Run Time/Charge Time:** Estimates the time remaining for operation or full charge.
- **Warning Icons:** Indicates errors, overheating, or other issues.

5.3 Charging the Power Station

The Explorer 3000 v2 supports multiple charging methods:

- **AC Wall Outlet:** Connect the AC charging cable to the unit and a wall outlet. (Refer to Figure 4.1)
- **Solar Panels (Sold Separately):** Connect compatible Jackery SolarSaga solar panels to the DC input port(s). Ensure panels are placed in direct sunlight for optimal charging.
- **AC + DC (Solar) Combined:** For the fastest charging, combine AC wall charging with solar panel input.



Figure 5.1: Solar Charging and Combined AC+DC Charging methods.

This image details the various charging methods. The top right shows AC+DC (Solar) charging, where the power station is connected to both a wall outlet and solar panels, achieving a full charge in approximately 84 minutes. The bottom section illustrates Solar Charging with multiple solar panels connected to the unit in an outdoor setting, indicating a 3.5-hour charge time with 1000W solar input.

5.4 Using Output Ports

To use the output ports, ensure the power station is turned on. Press the respective button for the output type you wish to use (e.g., AC, USB).

- **AC Outlets:** Plug your AC-powered devices (e.g., laptops, small appliances) into the AC outlets. Ensure the total wattage does not exceed 2990W.
- **USB-A Ports:** Connect USB-A compatible devices for charging (e.g., smartphones, tablets).
- **USB-C PD Ports:** Connect USB-C Power Delivery compatible devices for fast charging (e.g., modern laptops, smartphones).



Figure 5.2: Powering devices with the Jackery Explorer 3000 v2.

This image demonstrates the Jackery Explorer 3000 v2 providing power in an off-grid RV setting. A person is cooking outdoors with a portable stove powered by the unit. Icons below indicate the number of times or duration the power station can power various devices: Ebike (600Wh battery) 5 times, Coffee Maker (1300W) 2 hours, Portable Refrigerator (100W) 30 hours, Microwave Oven (1000W) 3 hours. The peak output is highlighted as 7200W.

5.5 Uninterruptible Power Supply (UPS) Function

The Explorer 3000 v2 can function as an Uninterruptible Power Supply for critical devices.

1. Connect the power station to a wall outlet using the AC charging cable.
2. Plug your essential devices (e.g., refrigerator, medical equipment) into the AC outlets of the power station.
3. In the event of a power outage, the power station will automatically switch to battery power within 20 milliseconds, providing seamless power to connected devices.



Figure 5.3: UPS Home Backup functionality.

This image illustrates the UPS (Uninterruptible Power Supply) feature of the Jackery Explorer 3000 v2. The power station is shown next to an open refrigerator, implying it is providing backup power to keep food fresh during an outage. The image highlights "Compact Home Backup Power" and "Power Backup < 20ms" with an IEC-62040 certification logo.

6. Maintenance

6.1 Cleaning

- Always power off the unit and disconnect all cables before cleaning.
- Use a dry, soft cloth to wipe the exterior of the unit.
- Do not use abrasive cleaners, solvents, or harsh chemicals.
- Keep the ventilation openings clear of dust and debris.

6.2 Storage

- If storing for an extended period, charge the unit to approximately 60-80% every 3-6 months to prolong battery life.

- Store in a cool, dry place, away from direct sunlight, heat sources, and moisture.
- Recommended storage temperature: -10°C to 40°C (14°F to 104°F).

6.3 Battery Care

The Jackery Explorer 3000 v2 uses a LiFePO4 battery, known for its durability and long cycle life. To maximize its lifespan:

- Avoid fully discharging the battery frequently.
- Avoid extreme temperatures during use and storage.
- Use the unit regularly, even if only for short periods.



Figure 6.1: Safety features of the Jackery Explorer 3000 v2.

This image emphasizes the safety aspects of the Jackery Explorer 3000 v2. The power station is depicted in a rugged outdoor environment. Key safety features highlighted include: LiFePO4 Battery, Fire Resistant & Shock-proof construction, 4000 Full Charge Cycles, and Charge Shield 2.0 technology. This reinforces the product's robust design and battery longevity.

7. Troubleshooting

If you encounter issues with your Jackery Explorer 3000 v2, please refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Unit does not power on.	Battery is fully discharged; Power button not held long enough.	Charge the unit; Press and hold the power button for 3 seconds.
AC output not working.	AC output not enabled; Device draws too much power; Overload protection activated.	Press the AC button to enable; Check device wattage; Disconnect device, restart unit.
Unit not charging.	Charging cable loose or faulty; Power source issue; Unit too hot/cold.	Check cable connections; Try different outlet/solar panel; Move unit to suitable temperature.
LCD display shows error code.	Internal fault; Overload; Over-temperature.	Refer to specific error code in full manual (if available) or contact support.

If the problem persists, please contact Jackery Customer Support.

8. Specifications

Feature	Detail
Model Name	JE-3000B
Capacity	3072Wh
Battery Type	LiFePO4
AC Output	2 x 120V, 60Hz, 2990W (Rated), 7200W (Peak)
USB-A Output	2 x 5V/2.4A
USB-C PD Output	2 x 100W Max
AC Input	120V, 60Hz, 1800W Max
DC Input (Solar)	1000W Max
Dimensions (L x W x H)	41.6cm x 30.5cm x 32.5cm (approx.)
Weight	27kg (approx.)
Operating Temperature	-10°C to 40°C (14°F to 104°F)
Certifications	FCC, SGS, TÜV, UL1778 (UPS)
UPC	810182241425

9. Warranty and Support

9.1 Warranty Information

The Jackery Explorer 3000 v2 Portable Power Station comes with a**5-year (3+2) warranty**. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.

For detailed warranty terms and conditions, please refer to the official Jackery website or contact customer support.

9.2 Customer Support

If you have any questions, require technical assistance, or need to make a warranty claim, please contact Jackery Customer Support through their official website or the contact information provided in your product packaging.
Website: www.jackery.com

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