

Jackery JE-2000C

Jackery Solar Generator 2000 Plus 400W Instruction Manual

Model: JE-2000C | Brand: Jackery

1. INTRODUCTION

The Jackery Solar Generator 2000 Plus 400W is a portable power station designed to provide reliable and efficient power for various applications, including home backup, outdoor adventures, RV camping, and emergency situations. This system combines a high-capacity 2042.8Wh LiFePO4 battery with a powerful 3000W output, complemented by two 200W SolarSaga solar panels for sustainable recharging. Its expandable design allows for increased capacity, ensuring your power needs are met wherever you are.



Image 1: The Jackery Solar Generator 2000 Plus powering various heavy-duty devices, highlighting its versatility for home backup and outdoor use.

2. WHAT'S INCLUDED

Upon unboxing your Jackery Solar Generator 2000 Plus, please verify that all components are present:

- 1 x Jackery Explorer 2000 Plus Portable Power Station
- 2 x Jackery SolarSaga 200W Solar Panels
- 1 x AC Charging Cable
- 1 x Car Charging Cable
- 2 x DC7909 to DC8020 Connectors
- 1 x User Manual (this document)

Note: The power station and solar panels may be shipped in separate packages.

ESSENTIAL FOR HOME POWER BACKUP

Power heavy-duty devices up to 6000W

2042.8Wh | 3000W



Welding Machine
5800W

Lawn Mower
3000W

Air Conditioner
1150W

Image 2: The complete Jackery Solar Generator 2000 Plus system, including the power station and two SolarSaga 200W solar panels, set up outdoors.

3. KEY FEATURES

- **Magnificent Performance:** Features a 2042.8 Wh capacity and 3000W output (expandable to 6000W with parallel connection), capable of powering heavy-load devices like air conditioners and RVs. Operates at a quiet 30 dB.
- **Ultra-Fast Charging:** Fully recharges in just 2 hours when connected to 6 SolarSaga 200W Solar Panels or a wall outlet.
- **2kWh - 24kWh Flexible Expansion:** Supports up to 5 expandable battery packs, increasing capacity from 2kWh to 12kWh. Two Explorer 2000 Plus units can be connected in parallel for 24kWh capacity, 240V voltage, and 6000W output.
- **First-Rate Safety:** Utilizes advanced Lithium Technology (LiFePO4 battery) for high temperature resistance and efficient, safe cell operation. Features a built-in cooling system for 30% improved heat dissipation and includes shock and fire resistance.

- **Built to Last:** Jackery's ChargeShield Fast Charging Technology boosts battery life by 50%. The LiFePO4 battery offers up to 10 years of use (4000 cycles to 70%+ capacity). Smart Shallow Charging Mode enhances efficiency and reliability.
- **Smart App Control:** Manage your Explorer 2000 Plus via Wi-Fi or Bluetooth. Monitor battery levels, customize settings, and control energy usage remotely.
- **Portable Suitcase Design:** Equipped with a retractable handle and wheels for easy transport.



Image 3: The Jackery Explorer 2000 Plus demonstrating its expandable capacity with multiple battery packs, suitable for extensive home backup power.

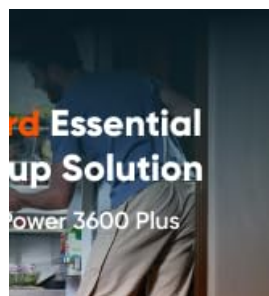


Image 4: Visual representation of the Jackery Explorer 2000 Plus's safety features, including its 10-year lifespan and 4000 charge cycles, emphasizing its robust LiFePO4 battery technology.

4. SETUP

Setting up your Jackery Solar Generator 2000 Plus is straightforward. Ensure the power station is placed on a stable, flat surface in a well-ventilated area. For solar charging, unfold the SolarSaga panels and position them to maximize direct sunlight exposure. Connect the solar panels to the power station using the provided DC7909 to DC8020 connectors.

Connecting Solar Panels:

1. Unfold the SolarSaga 200W solar panels.
2. Position the panels towards direct sunlight.
3. Connect the solar panel cables to the DC7909 to DC8020 connectors.
4. Plug the connectors into the DC input ports on the Jackery Explorer 2000 Plus.
5. The display on the power station will show the input wattage, indicating successful connection and charging.

MULTIPLE CHARGING METHODS

Supports Solar Charging with Expandable Battery



SOLARSAGA 200

2 Hrs



WALL OUTLET IN

2 Hrs



CAR OUTLET IN

25 Hrs



Image 5: The Jackery Solar Generator 2000 Plus connected to two SolarSaga 200W solar panels, demonstrating solar charging in an outdoor environment.

Video 1: A demonstration of how the Jackery 2000 Plus operates, including connecting devices and understanding its interface.

5. OPERATING INSTRUCTIONS

The Jackery Solar Generator 2000 Plus offers multiple ways to charge and power your devices.

Charging the Power Station:

- **Solar Charging:** Connect SolarSaga panels as described in the Setup section. The power station can be fully charged in approximately 2 hours with 6 x 200W solar panels.
- **Wall Outlet Charging:** Use the provided AC Charging Cable to plug the power station into a standard wall outlet. Full charge can be achieved in about 2 hours.
- **Car Charging:** Connect the power station to your car's 12V outlet using the Car Charging Cable. This method is slower, taking approximately 25 hours for a full charge, but is convenient for on-the-go recharging.

Powering Devices:

The Explorer 2000 Plus features multiple output ports:

- **AC Outlets:** 5 x AC 120V 20A outlets, with a total 3000W pure sine wave output. Ideal for appliances, power tools, and other high-wattage devices.
- **USB Ports:** 2 x USB-A (18W Max) and 2 x USB-C (100W Max) ports. Perfect for charging smartphones, tablets, laptops, and other USB-powered devices.
- **Car Port:** 1 x DC 12V 10A car outlet.



Image 6: The Jackery Explorer 2000 Plus connected to a smartphone, showcasing its smart app control capabilities for monitoring and managing power.

Smart App Control:

Download the Jackery app from the App Store or Google Play to unlock advanced control features:

- Monitor real-time battery levels, input/output wattage, and remaining run-time.
- Customize charging settings (e.g., Fast Charging Mode, Quiet Charging Mode).
- Activate/deactivate output ports remotely.

- Set auto-off timers for energy saving.
- Perform firmware upgrades.



Image 7: The Jackery app interface on a smartphone, illustrating how users can monitor and control the Explorer 2000 Plus via Bluetooth or Wi-Fi.

Video 2: A detailed overview of the Jackery Solar Generator 2000 Plus, including its features and how to use the companion app for control and monitoring.

Video 3: A user demonstrating how to solar charge the Jackery 2000 Plus at home, showcasing the setup and charging process.

6. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your Jackery Solar Generator 2000 Plus.

- **Battery Care:** The LiFePO4 battery is designed for a long lifespan (up to 10 years). For optimal performance, avoid completely draining the battery frequently. The Smart Shallow Charging Mode helps enhance battery efficiency and reliability.
- **Storage:** Store the power station in a cool, dry place away from direct sunlight and extreme temperatures. Ensure it is charged to at least 50% before long-term storage.
- **Cleaning:** Keep the unit clean and free from dust and debris. Use a dry, soft cloth for cleaning. Do not use liquid cleaners or immerse the unit in water.
- **Cooling System:** The built-in cooling system improves heat dissipation. Ensure the vents are not obstructed during operation to prevent overheating.

Video 4: A review highlighting the reliability, quiet operation, and durable construction of the Jackery Explorer 2000 Plus.

7. TROUBLESHOOTING

If you encounter any issues with your Jackery Solar Generator 2000 Plus, please refer to the following general troubleshooting tips:

- **No Power Output:** Ensure the power station is turned on and the specific output ports (AC/DC/USB) are activated. Check the battery level; recharge if low.
- **Slow Charging:** For solar charging, ensure panels are in direct sunlight and free from obstructions. Verify all connections are secure. For wall charging, ensure the AC cable is properly connected to a functioning outlet.
- **Overload Protection:** If the unit shuts down, it may be due to an overload. Disconnect some devices and restart the power station. Ensure the total wattage of connected devices does not exceed the unit's output capacity.
- **App Connectivity Issues:** Ensure Bluetooth or Wi-Fi is enabled on your device and the power station. Try

restarting both the app and the power station.

For persistent issues or specific error codes, please contact Jackery customer support for assistance.

8. SPECIFICATIONS

Feature	Specification
Brand	Jackery
Model Name	JE-2000C
Wattage	3000 watts
Fuel Type	Solar
Power Source	Solar Powered
Recommended Uses	Home back up, RV, Emergency, Professional power, Off-Grid
Item Weight	96.71 Pounds
Voltage	120 Volts
Output Wattage	3000
Special Feature	As Quiet as 30 dB, No noise. fast solar charging, No fumes. No maintenance, 10-Year Long-Lasting LFP battery
Included Components	1* AC Charging Cable, 1* Car Charging Cable, 1*Explorer 2000 Plus, 2* DC7909 to DC8020 Connectors, 2*Solarsaga 200W solar panels with connection cable
Color	Black, Orange
Product Dimensions	18.6"L x 14.1"W x 14.7"H
Total Power Outlets	2 (AC 120V 20A) + 1 (AC 120V 3000W Pure Sine Wave) + 2 (USB-A) + 2 (USB-C) + 1 (DC 12V 10A)
Running Wattage	3000 Watts
Starting Wattage	3000 Watts

9. WARRANTY & SUPPORT

Jackery offers a **5-Year Warranty** for the Explorer 2000 Plus, demonstrating confidence in its product quality and durability. This warranty covers manufacturing defects and ensures peace of mind for your investment.

For any problems, issues, or inquiries regarding your Jackery product, please do not hesitate to reach out to our dedicated customer support team. We are committed to providing superb customer service and assisting you at any time.

You can find contact information for customer support on the official Jackery website or within the product packaging.