GROWATT INFINITY 2000 Expansion Battery

GROWATT Infinity 2000 Expansion Battery User Manual

Model: INFINITY 2000 Expansion Battery

1. Product Overview

The GROWATT Infinity 2000 Expansion Battery is designed to extend the power capacity of your INFINITY 2000 Portable Power Station. With a 2048Wh capacity, it can double the main unit's power to 4096Wh, or even triple it to 6144Wh when two expansion batteries are connected. This ensures sustained electricity for various applications, including home use, RV trips, camping, and emergency situations.

The unit features a durable LifePO4 battery, known for its longevity with over 4000 charge cycles, providing more than 10 years of reliable use. A built-in Battery Management System (BMS) ensures safe and efficient operation.

2. What's in the Box

- GROWATT INFINITY 2000 Extra Battery
- Battery Expansion Cable
- User Manual & Quick Start Guide & Warranty Card

3. Setup Instructions

Connecting the Expansion Battery

To expand the capacity of your INFINITY 2000 Portable Power Station, connect the Expansion Battery using the provided battery expansion cable. Ensure both units are powered off before making connections. Align the connectors carefully and push firmly until they click into place.

For optimal performance and safety, always use the official GROWATT expansion cable.

4. Operating Instructions

Output Ports

The Expansion Battery provides multiple DC output options to charge various devices:

- **4 x USB-A Quick Charge Ports:** For rapid charging of smartphones and other compatible USB-A devices.
- **2 x 100W USB-C Ports:** High-power output suitable for laptops, tablets, and other USB-C devices requiring fast

charging.

- **2 x DC5521 Ports:** Standard DC output for compatible devices.
- **1 x 13.6V/10A Car Outlet:** Ideal for powering car accessories or other 12V DC devices.

Recharging the Battery

The Expansion Battery can be recharged by connecting it to the INFINITY 2000 Portable Power Station, which then handles the charging process. The main unit supports recharging via:

- **AC Power:** Connect the INFINITY 2000 to a standard wall outlet.
- **Solar Panels:** Connect compatible solar panels to the INFINITY 2000 for renewable energy charging.

Always refer to the INFINITY 2000 Portable Power Station manual for detailed charging procedures and safety precautions.

5. Maintenance

The LifePO4 battery is designed for long-term use with over 4000 cycles. The integrated Battery Management System (BMS) actively monitors and protects the battery from overcharge, over-discharge, over-current, and short-circuiting, ensuring safety and extending battery life. No specific user maintenance is typically required beyond proper storage and usage as outlined in the manual.

6. Troubleshooting

If you encounter any issues with your GROWATT Infinity 2000 Expansion Battery, please refer to the troubleshooting section of the main INFINITY 2000 Portable Power Station user manual. Common issues may include:

- **No Power Output:** Check if the unit is powered on and fully charged. Verify cable connections.
- **Charging Issues:** Ensure the expansion cable is securely connected to the main unit and the main unit is receiving power from AC or solar.
- **Overload Protection:** If an overload occurs, the BMS may shut down output. Disconnect devices and restart the unit.

For persistent problems, contact GROWATT customer service.

7. Specifications

Specification	Value
Model Name	INFINITY 2000 Expansion Battery
Capacity	2048Wh
Battery Type	LifePO4
Cycle Life	4000+ cycles to 70% capacity
Product Dimensions	20.8 x 12.4 x 16.5 inches
Item Weight	57 pounds
Voltage	120 Volts
USB-A Output	4 x Quick Charge Ports

USB-C Output	2 x 100W Ports
DC Output	2 x DC5521, 1 x 13.6V/10A Car Outlet

8. Warranty and Support

The GROWATT INFINITY 2000 Extra Battery comes with a 5-year warranty. For any questions, technical support, or warranty claims, please contact GROWATT customer service. Details can be found in the included User Manual & Quick Start Guide & Warranty Card.

Additional protection plans may be available for purchase, such as a 1-Year Portable Battery Extended Protection Plan.

9. Product Media

Product Images



Image: The GROWATT Infinity 2000 Expansion Battery shown alongside the main portable power station unit.

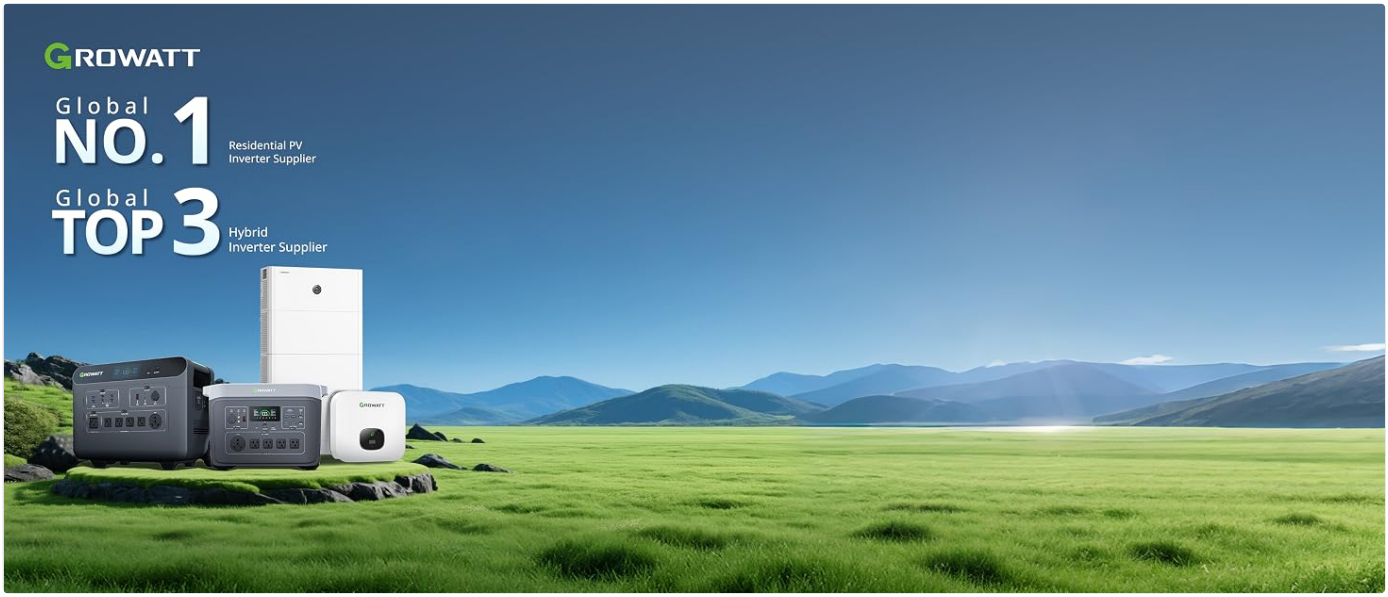


Image: Detailed view of the LifePO4 battery technology within the GROWATT Infinity 2000 Expansion Battery, highlighting its safety and longevity with 4000+ cycles.



Image: Illustration of various recharging methods for the GROWATT Infinity 2000 system, including AC charging, car charging, solar charging, and direct charging from another Infinity 2000 unit.



Image: The GROWATT Infinity 2000 Expansion Battery connected to and powering various electronic devices such as a laptop, smartphone, and tablet, demonstrating its versatile output ports.



Image: The GROWATT Infinity 2000 Expansion Battery showcasing its integrated storage compartment for cables, designed for convenience and portability.

Official Product Videos

Video: An official product video from GROWATT demonstrating the INFINITY 2000 Power Station, highlighting its features and capabilities.

Video: An official product video from GROWATT showcasing the INFINITY 2000 Portable Power Station in various usage scenarios.

Video: An official product video from GROWATT demonstrating the INFINITY 2000 Outdoor Solar Generator, emphasizing its solar charging capabilities and outdoor utility.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question