

GROWATT INFINITY 2000 Pro Expansion Battery

GROWATT INFINITY 2000 Pro Portable Power Station Expansion Battery User Manual

Model: INFINITY 2000 Pro Expansion Battery

Brand: GROWATT

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your GROWATT INFINITY 2000 Pro Portable Power Station Expansion Battery. Please read this manual thoroughly before using the product and retain it for future reference.



Image 1.1: The GROWATT INFINITY 2000 Pro Portable Power Station Expansion Battery.

2. SAFETY INSTRUCTIONS

To ensure safe operation, always follow these guidelines:

- Do not disassemble, repair, or modify the unit.
- Keep the unit away from heat sources, direct sunlight, and flammable materials.
- Do not expose the unit to water or other liquids.
- Use only original or certified accessories.
- Ensure proper ventilation during use and charging.
- Keep out of reach of children and pets.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

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

4. PRODUCT FEATURES

4.1. Expandable Capacity

The INFINITY 2000 Pro Expansion Battery provides an additional 2048Wh capacity. It can be connected to the INFINITY 2000 Pro Portable Power Station to expand its total capacity to 4096Wh. Up to two expansion batteries can be added, increasing the total capacity to a maximum of 6144Wh for extended power needs.

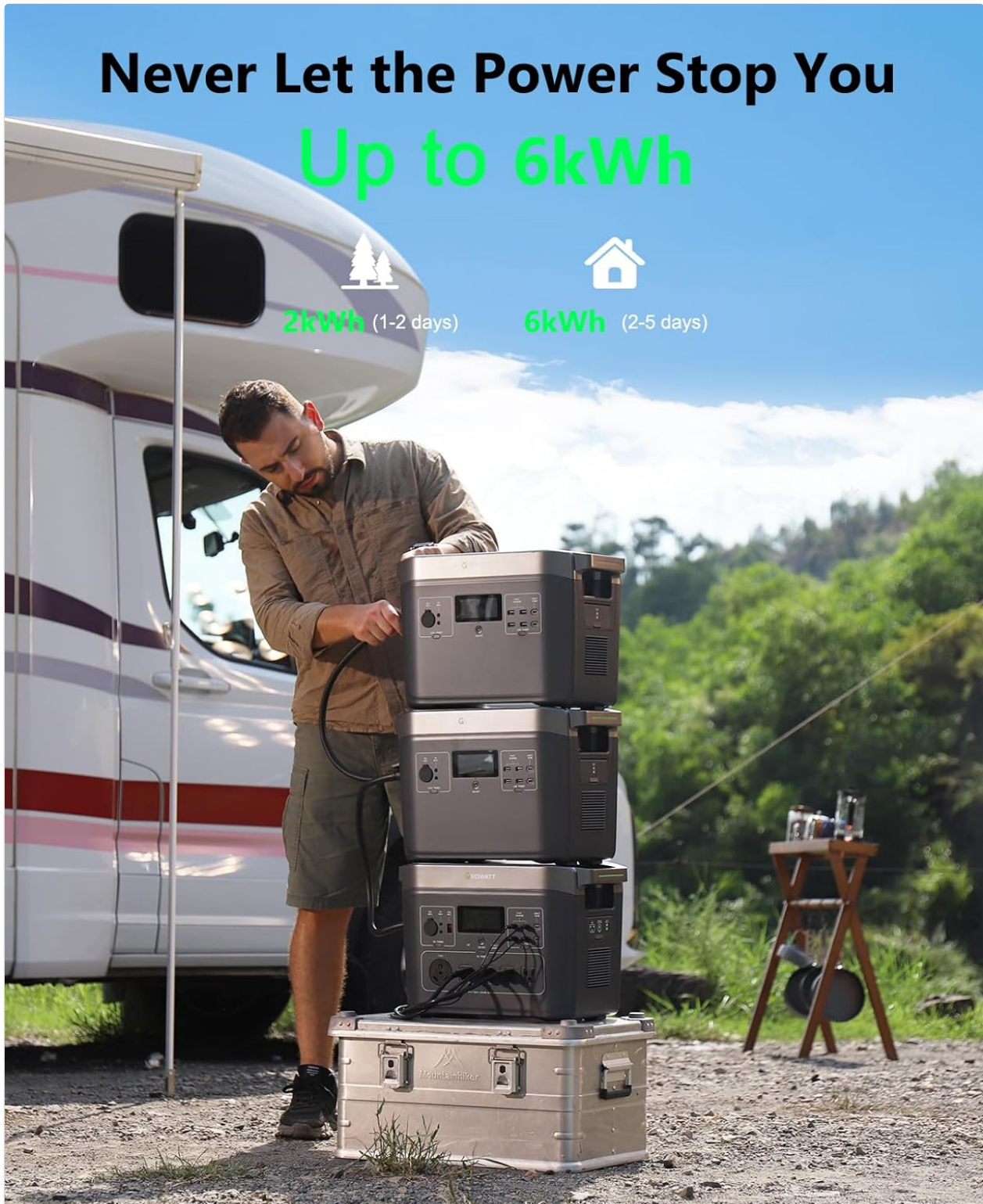


Image 4.1: The GROWATT INFINITY 2000 Pro with multiple expansion batteries, demonstrating expandable capacity.

4.2. Advanced Battery Technology

Equipped with a LifePO4 battery, this unit offers over 4000 charge cycles, ensuring a lifespan of over 10 years. The integrated Battery Management System (BMS) provides comprehensive protection for safe and reliable operation.

Power You Can Trust

Tough inside, always ready



Image 4.2: Visual representation of the LifePO4 battery cells and the Battery Management System (BMS) for enhanced durability and safety.

4.3. Versatile Output Ports

The expansion battery features multiple DC outlets to power various devices independently:

- 4 x USB-A Quick Charge ports
- 2 x 100W USB-C ports
- 2 x DC5521 ports
- 1 x 13.6V/10A Car Outlet

Power for Your Devices



Car Outlets



DC5521



USB-A Quick Charge



USB-C PD



Image 4.3: The GROWATT INFINITY 2000 Pro connected to a laptop and tablet, illustrating the use of its diverse output ports.

4.4. Cold Start Feature

The unit includes an exclusive Cold Start feature that heats the battery below operating temperatures, ensuring reliable power even in extreme cold conditions down to -22°F (-30°C).

4.5. Smart App Control

Monitor and control your power station via the dedicated smartphone application. The app allows for customized power settings, firmware upgrades, and access to customer support.

4.6. Quiet Charge Mode

Operates at an ultra-low noise level of just 30dB during charging, providing a peaceful environment.

Video 4.1: An overview of the GROWATT INFINITY 2000 Pro's features, including its capacity, output, and various charging options. This video highlights the product's versatility for outdoor and indoor use.

5. SETUP AND CONNECTION

5.1. Connecting the Expansion Battery

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



Image 5.1: The GROWATT INFINITY 2000 Pro units featuring built-in storage for cables, indicating ease of connection and organization.

6. OPERATING INSTRUCTIONS

6.1. Powering On/Off

Press and hold the main power button for a few seconds to turn the unit on or off. The display will illuminate upon activation.

6.2. Using AC Outlets

The main INFINITY 2000 Pro unit provides AC power. Ensure the AC power button is activated. Plug your devices into the appropriate AC outlets.

6.3. Using DC Outlets

The expansion battery features dedicated DC outlets. Activate the DC power button to enable these ports. Connect your USB-A, USB-C, DC5521, or car outlet devices.

7. CHARGING THE BATTERY

The INFINITY 2000 Pro Expansion Battery can be recharged by connecting it to the main INFINITY 2000 Pro Portable Power Station, which then connects to an AC power source or solar panels.

7.1. AC Charging

Connect the main power station to a standard AC wall outlet using the appropriate charging cable. The unit supports fast AC recharging, reaching 100% in approximately 3 hours.

Fast AC Recharging

Go From 0-100% in **3 Hrs**



Image 7.1: Two GROWATT INFINITY 2000 Pro units stacked, with the bottom unit connected to a wall outlet for fast AC recharging.

7.2. Solar Charging

Connect compatible solar panels to the main power station. The unit supports up to 1200W solar input. Charging time will vary based on solar panel wattage and sunlight conditions.

7.3. Combined Charging

For the fastest charging, the INFINITY 2000 Pro supports combined charging from both AC and solar inputs, achieving a full charge in as little as 1.6 hours with 2300W input.

8. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your expansion battery:

- Store the unit in a cool, dry place away from direct sunlight.
- Charge the battery to 80% every 3-6 months if not in regular use.
- Clean the exterior with a dry, soft cloth. Do not use harsh chemicals or abrasives.
- Ensure ventilation ports are clear of dust and debris.

9. TROUBLESHOOTING

If you encounter issues, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Unit not turning on	Battery depleted; Power button not pressed correctly	Charge the unit; Press and hold the power button for 3 seconds
Devices not charging from DC outlets	DC power not activated; Cable faulty	Activate DC power; Try a different cable
Slow charging	Low input power; High ambient temperature	Ensure maximum input power; Move to a cooler environment
Overload warning	Connected devices exceed output limit	Disconnect some devices; Reduce load

10. SPECIFICATIONS

Feature	Specification
Model Name	INFINITY 2000 Pro Expansion Battery
Battery Type	LifePo4
Capacity	2048Wh
Expandable Capacity	Up to 6144Wh (with 2 expansion batteries)
Cycle Life	4000+ cycles
DC Output Ports	4 x USB-A Quick Charge, 2 x USB-C (100W), 2 x DC5521, 1 x 13.6V/10A Car Outlet
AC Input (via main unit)	1800W Max
Solar Input (via main unit)	1200W Max
Combined Charging	Up to 2300W (AC+Solar)





Feature	Specification
Dimensions (L x W x H)	20.8" x 12.4" x 16.5"
Weight	23 lbs
Operating Temperature	Cold Start down to -22°F (-30°C)



11. WARRANTY AND SUPPORT

The GROWATT INFINITY 2000 Pro Portable Power Station Expansion Battery comes with a 5-year warranty. For technical support, warranty claims, or further assistance, please refer to the contact information provided on your warranty card or visit the official GROWATT website.

For additional resources and product information, you may visit the [GROWATT Store on Amazon](#).

Related Documents - INFINITY 2000 Pro Expansion Battery

	<p>Growatt Solar Inverters and Energy Storage Systems Catalog</p> <p>Comprehensive catalog of Growatt solar inverters, including single-phase, three-phase, and storage products, along with monitoring systems and project case studies. Features detailed specifications, benefits, and technical data for residential and commercial applications.</p>
	<p>Growatt INFINITY 2000 PRO Portable Power Station User Manual</p> <p>Comprehensive user manual for the Growatt INFINITY 2000 PRO Portable Power Station, covering setup, operation, safety instructions, charging, advanced features, app configuration, troubleshooting, and technical specifications.</p>
	<p>Growatt INFINITY 1300 Portable Power Station User Manual</p> <p>User manual and warranty information for the Growatt INFINITY 1300 Portable Power Station, detailing its features, ports, and operation.</p>
	<p>Ръководство за потребителя на Growatt INFINITY 2000 PRO: Преносима електроцентрала</p> <p>Подробно ръководство за потребителя на преносимата електроцентрала Growatt INFINITY 2000 PRO. Научете как да използвате, зареждате и поддържате вашето устройство за максимална ефективност и безопасност.</p>

	<p>Growatt INFINITY 2000 PRO Portable Power Station User Manual</p> <p>Comprehensive user guide for the Growatt INFINITY 2000 PRO Portable Power Station, covering setup, operation, safety instructions, advanced features, charging methods, app configuration, troubleshooting, and technical specifications.</p>
	<p>Growatt INFINITY 2000 PRO Portable Power Station User Manual</p> <p>Comprehensive user manual for the Growatt INFINITY 2000 PRO Portable Power Station, detailing its features, operation, safety guidelines, technical specifications, troubleshooting, and app integration.</p>