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AMPACE Andes1500 Extra Battery

AMPACE Andes 1500 Extra Battery User Manual

Model: Andes1500 Extra Battery

1. Introduction

This manual provides essential instructions for the safe and efficient use of your AMPACE Andes 1500 Extra Battery. Please read this manual thoroughly before operation and retain it for future reference.

The AMPACE Andes 1500 Extra Battery is designed to expand the capacity of your Andes 1500 Portable Power Station. It features a 1462Wh LiFePo4 battery, offering extended power for home backup, emergencies, and outdoor use.

What's in the Box:

- Andes1500 Extra Battery
- Battery-to-Host Cable
- Safety Manual
- Digital 5-Year Warranty Information



Image 1.1: Front view of the AMPACE Andes 1500 Extra Battery, showcasing its sleek design and integrated display panel.

2. Setup and Connection

The Extra Battery is designed to seamlessly integrate with your AMPACE Andes 1500 Portable Power Station. Follow these steps for proper connection:

1. **Positioning:** Place the Andes 1500 Portable Power Station and the Extra Battery on a stable, flat surface. Ensure adequate ventilation around both units.
2. **Connecting the Cable:** Use the provided battery-to-host cable. Connect one end to the "EXTRA BATTERY POWER IN" port on the Extra Battery and the other end to the designated expansion port on your Andes 1500.
3. **Secure Connection:** Ensure the cable connections are firm and secure to prevent accidental disconnections during

operation.

4. **Power On:** Once connected, power on your Andes 1500. The system will automatically detect the connected Extra Battery, and the total capacity will be updated on the Andes 1500's display.

One Andes 1500 can connect up to 7 expansion batteries, allowing for a maximum expansion capacity of 11kWh. With one Extra Battery, the total usable capacity becomes 2924Wh.



Image 2.1: Rear view of the Extra Battery, showing the "EXTRA BATTERY POWER IN" and "EXTRA BATTERY POWER OUT" ports for connection to the main unit.

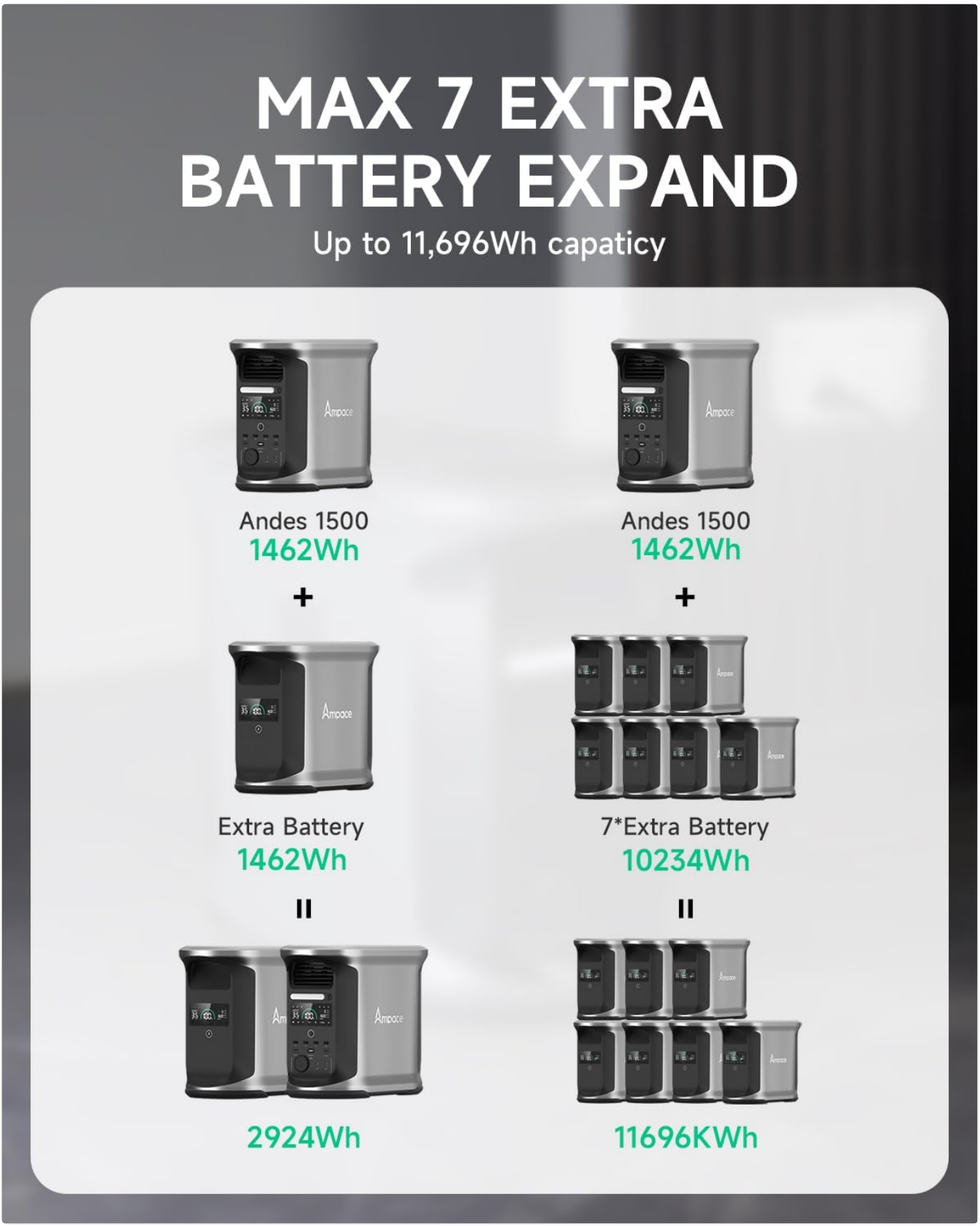


Image 2.2: Diagram illustrating how the Andes 1500 can be expanded with up to 7 extra batteries, reaching a total capacity of 11696Wh.

3. Operating Instructions

The Extra Battery does not operate independently; it functions as an extension of the Andes 1500 Portable Power Station. All charging and power output are managed through the main Andes 1500 unit.

Charging the System:

Once connected to the Andes 1500, the Extra Battery will charge simultaneously with the main unit. Available charging methods include:

- **Wall Charging:** Connect the Andes 1500 to a standard AC wall outlet. The system supports fast charging, reaching 0-100% in approximately 1.8 hours when the A-Boost function is enabled via the Ampace app.
- **Solar Panel Charging:** Connect compatible solar panels to the Andes 1500. The Extra Battery will charge alongside the main unit using solar energy.
- **Car Charging:** Use the car charger to charge the Andes 1500 from your vehicle's 12V outlet.



Image 3.1: Two AMPACE Andes units, one main and one extra battery, connected and charging from a wall outlet. Note: Enable A-Boost function from the Ampace app for faster charging.



Image 3.2: The AMPACE Andes 1500 and Extra Battery setup used outdoors with solar panels, demonstrating solar charging capability.

Monitoring with LCD Screen and App:

The Andes 1500's onboard LCD screen and the Ampace mobile application provide comprehensive information about the entire power system, including the connected Extra Battery. You can monitor:

- Remaining charge percentage
- Hours remaining at current output

- Input and output power
- System status and alerts

4. Maintenance and Care

Proper maintenance ensures the longevity and optimal performance of your AMPACE Andes 1500 Extra Battery.

Battery Lifespan:

The Extra Battery utilizes LiFePo4 (Lithium Iron Phosphate) battery technology, known for its durability and extended lifespan. It is designed to withstand over 6000 full charge cycles while retaining more than 80% of its original capacity. This translates to a lifespan of over 15 years under typical usage conditions.



Image 4.1: Internal view of the AMPACE Andes 1500 Extra Battery, highlighting its robust LiFePo4 battery cells and indicating a 15-year lifespan with 6000+ charge cycles.



Image 4.2: A banner emphasizing the 15-year battery life and 6000+ full charge cycles of the AMPACE Andes 1500 Extra Battery.

General Care:

- Keep the unit clean and free from dust and debris. Use a dry, soft cloth for cleaning.
- Avoid exposing the unit to extreme temperatures, direct sunlight, or high humidity.
- Store the battery in a cool, dry place when not in use for extended periods.
- Do not disassemble or attempt to repair the unit yourself. Refer to qualified service personnel.

5. Troubleshooting

If you encounter issues with your AMPACE Andes 1500 Extra Battery, please refer to the following common troubleshooting steps:

- **Battery Not Detected:**
  - Ensure the battery-to-host cable is securely connected to both the Extra Battery and the Andes 1500.
  - Restart the Andes 1500 unit.
  - Check the cable for any visible damage.
- **Charging Issues:**
  - Verify that the Andes 1500 is properly connected to a power source (wall outlet, solar panel, car charger).
  - Ensure the charging source is active and providing power.
  - Check the charging cables for damage.
- **Unusual Behavior:**
  - Refer to the Andes 1500's main user manual for specific error codes or warnings displayed on the LCD screen.
  - If the issue persists, contact AMPACE customer support.

6. Specifications

Feature	Detail

Product Dimensions	17.2 x 7.7 x 13.2 inches
Item Weight	22 pounds
Model Number	Andes1500 Extra Battery
Battery Type	LiFePo4 (Lithium Iron Phosphate)
Battery Capacity	1462Wh
Voltage	120 Volts (System Voltage)
Battery Cell Composition	Lithium Ion
Color	Grey
Material	Polycarbonate (PC)
Manufacturer	AMPACE

7. Warranty and Support

Your AMPACE Andes 1500 Extra Battery comes with a digital 5-year warranty, ensuring peace of mind regarding product quality and performance.

Warranty Information:

For detailed terms and conditions of your 5-year warranty, please refer to the safety manual included in the box or visit the official AMPACE website. Keep your purchase receipt as proof of purchase for warranty claims.

Customer Support:

If you have any questions, require technical assistance, or need to initiate a warranty claim, please contact AMPACE customer support. Contact details can typically be found on the official AMPACE website or in the safety manual.

You can also visit the AMPACE Store on Amazon for additional product information and support resources.

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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

Answered questions about this manual

Why is my AMPACE Andes 1500 Extra Battery flashing and showing an error with input/output values when connected, and why does it stop charging until several minutes pass?

Based on the AMPACE Andes 1500 Extra Battery manual, the behavior you are describing (flashing display and delayed charging) typically indicates a system protection or detection phase. Please follow these steps to resolve the...

Read full answer

Why is my AMPACE Andes 1500 Extra Battery not connecting to the main power station?

If your AMPACE Andes 1500 Extra Battery is not being detected by the main power station, please follow these troubleshooting steps from the manual: Check the Cable Connections: Ensure the provided battery-to-host cable is...

Read full answer

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