AMPACE Andes 1500

AMPACE Portable Power Station Andes 1500 User Manual

Model: Andes 1500
Brand: AMPACE

Introduction

The AMPACE Portable Power Station Andes 1500 is a high-capacity, versatile power solution designed for home backup, outdoor camping, RV use, and emergency situations. Featuring a 2924Wh LiFePo4 battery and 2400W (Peak 3600W) output, it provides reliable power for a wide range of devices. This manual provides essential information for the safe and efficient operation of your Andes 1500 power station.

Key features include 55-minute fast charging, a 15-year lifespan with over 6,000 charge cycles, and the ability to connect up to 7 extra batteries for a maximum capacity of 11kWh. It operates with a near-silent 30dB sleep mode and offers rapid 20ms EPS switchover for uninterrupted power. The unit also supports sustainable solar energy input and smart app control for monitoring and adjusting settings.

Setup

Before first use, ensure your AMPACE Andes 1500 is fully charged. The package includes an AC charging cable, car charging cable, and a user manual.

Initial Charging (AC Wall Outlet)

Connect the provided AC charging cable to the AC input port on the power station and then to a standard wall outlet. The Andes 1500 supports 1100W max AC input, allowing it to be fully charged in approximately 55 minutes. You can monitor the charging status on the display screen or via the mobile app. The charging speed can be adjusted via the app if a slower charge is desired.



Image: The AMPACE Andes 1500 power station connected to a wall outlet for fast charging. The display shows the charging percentage and input wattage.

Solar Charging

For solar charging, connect compatible solar panels (up to 3*200W recommended) to the DC(XT90) input port using the provided solar charging cable. The power station supports up to 500W max solar input. A full recharge can be achieved in as fast as 3 hours with optimal sunlight. Ensure solar panels are positioned for maximum sun exposure.



Image: The AMPACE Andes 1500 power station connected to solar panels outdoors, illustrating solar charging capability.

Operating Instructions

The Andes 1500 offers multiple output ports and smart control features for convenient power management.

Output Ports

The power station features 13 versatile outlets to power various devices:

- **AC Outlets (x4):** 2400W total output for standard appliances.
- **USB-A (x4):** 18W output each.
- **USB-C (x2):** 100W output each.

- **DC5521 (x2):** 120W output each.
- **Car Outlet (x1):** 120W output.

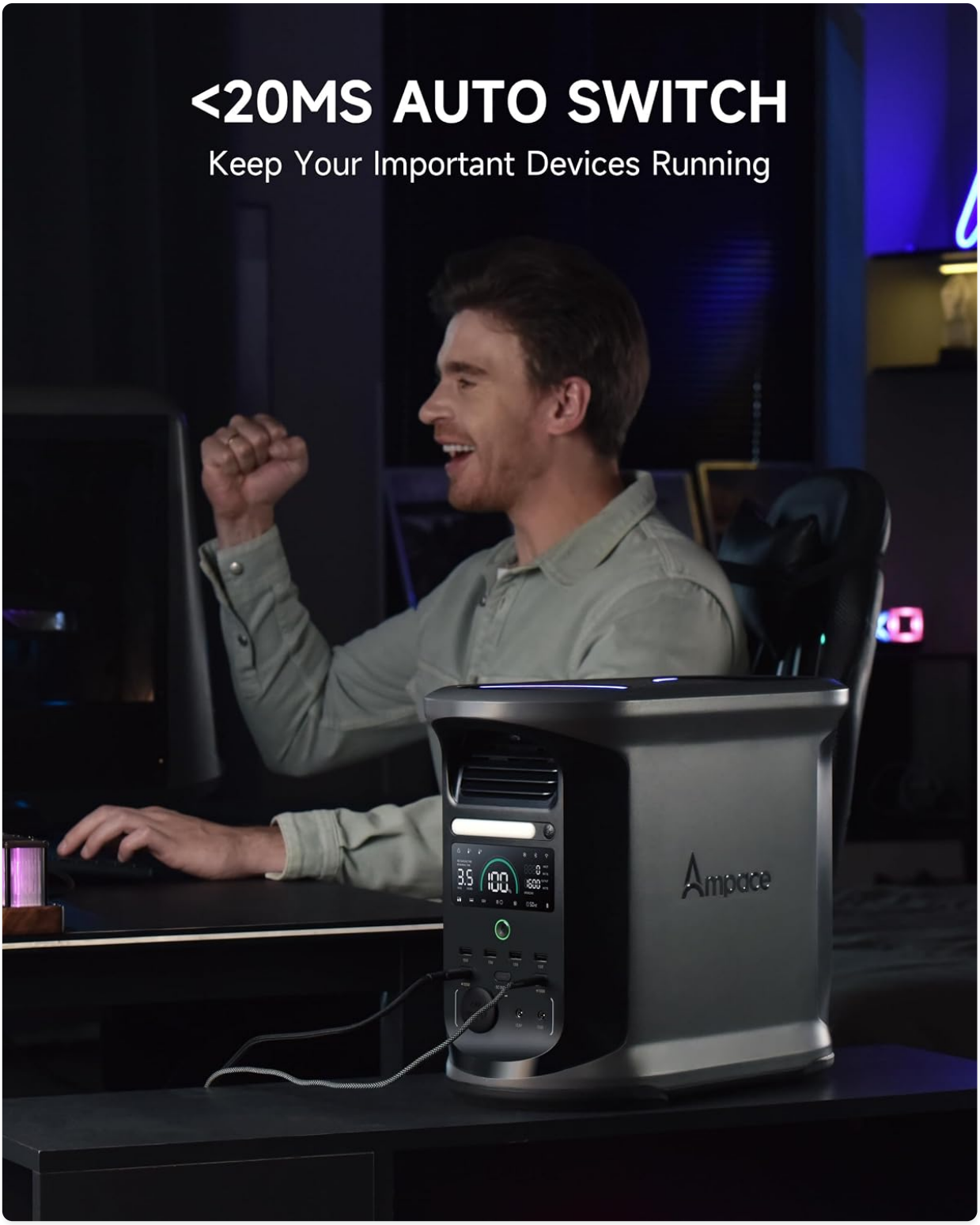


Image: The AMPACE Andes 1500 power station with multiple devices connected to its various output ports, demonstrating its versatility.

Display Screen & App Control

The integrated display screen provides real-time information on battery status, input/output wattage, and remaining runtime. For enhanced control, download the AMPACE mobile app to monitor all charging states, adjust ambient light colors, and personalize energy usage.



Image: A smartphone screen showing the AMPACE app interface, connected to the Andes 1500, with battery status and control options visible.

Uninterrupted Power Supply (UPS) Function

The Andes 1500 features a rapid 20ms EPS (Emergency Power Supply) switchover. When connected to a wall outlet and powering devices, if the grid power fails, the power station automatically switches to battery power, ensuring your connected devices remain operational without interruption. This is ideal for sensitive electronics or essential medical equipment.

Battery Life and Expansion

The Andes 1500 is built with a durable LiFePo4 battery designed for longevity and expandability.

15-Year Lifespan

The LiFePo4 battery maintains over 80% of its original capacity even after 6,000 charge cycles, offering a lifespan exceeding 15 years under typical usage conditions.



Image: A graphic highlighting the 15-year battery lifespan and 6000+ charge cycles of the AMPACE Andes 1500.

Capacity Expansion

The Andes 1500 can be expanded with up to 7 extra batteries. With one extra battery, the total capacity reaches 2924Wh. The maximum expansion capacity is 11kWh, providing extensive power for extended periods.



Image: A single extra battery unit designed to expand the capacity of the AMPACE Andes 1500.

Specifications

Feature	Value
Brand	AMPACE
Model Name	Ampace Andes 1500 Portable Power Station
Wattage (Running)	2400 watts
Wattage (Starting/Peak)	3600 watts
Battery Capacity	1496Wh (main unit), 2924Wh (with 1 Extra Battery)

Battery Type	LiFePo4
Lifespan	15 years (6,000+ charge cycles to >80% capacity)
AC Input	1100W Max (100V-120V 50Hz/60Hz)
Solar Input	500W Max (11.5-50V)
EPS Switchover Time	20ms
Noise Level	30dB (Sleep Mode)
Product Dimensions	17.2"L x 7.7"W x 13.2"H
Item Weight	40.7 pounds
Included Components	Ampace Andes 1500 Power Station, Andes 1500 Extra Battery, AC Charging Cable, Car Charging Cable, Cable Bag, User Manual

Maintenance

To ensure the longevity and optimal performance of your AMPACE Andes 1500, follow these maintenance guidelines:

- **Storage:** Store the power station in a cool, dry place away from direct sunlight and extreme temperatures.
- **Charging:** Fully charge the unit at least once every 3-6 months, even if not in use, to maintain battery health.
- **Cleaning:** Use a dry, soft cloth to clean the exterior. Avoid using harsh chemicals or abrasive materials.
- **Ventilation:** Ensure the ventilation ports are clear of obstructions to prevent overheating during operation or charging.

Troubleshooting

If you encounter any issues with your AMPACE Andes 1500, refer to the following common troubleshooting tips:

- **Unit Not Turning On:** Ensure the battery is charged. If not, connect to an AC outlet or solar panels.
- **No Output from Ports:** Verify that the specific output (AC, DC, USB) is enabled on the unit or via the app. Check cable connections.
- **Slow Charging:** For AC charging, ensure the A-boost function is enabled via the app for fastest charging. For solar, ensure panels are optimally positioned and clean. Check cable connections.
- **Overload Protection:** If an overload occurs, the unit may shut down. Disconnect some devices and restart the power station.
- **App Connectivity Issues:** Ensure Bluetooth/Wi-Fi is enabled on your device and the power station. Try restarting both devices.

For more detailed troubleshooting or persistent issues, please contact customer support.

Warranty and Support

The AMPACE Portable Power Station Andes 1500 comes with a**5-year warranty**, ensuring peace of mind for your investment. For any product inquiries, technical support, or warranty claims, please refer to the contact information provided in your user manual or visit the official AMPACE website.