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> AMPACE Andes 300 Portable Power Station User Manual

AMPACE Andes 300

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Model: Andes 300 | Brand: AMPACE

1. INTRODUCTION

The AMPACE Andes 300 is a compact and powerful portable power station designed to provide reliable energy for various applications, including outdoor camping, RV adventures, road trips, and home backup during power outages. It features advanced fast-charging technology and multiple output ports to power a wide range of essential devices.

Key Features:

- **Fast Charging:** Achieve 80% battery capacity in just 45 minutes, and a full charge in 1 hour, utilizing Ampace A-Boost fast charging technology. Solar charging is also efficient, taking only 2.6 hours.
- **Compact and Portable:** Weighing only 8.2 lbs with a durable aluminum handle, it's easy to transport and operates reliably in temperatures from -4°F to 113°F.
- **Versatile Power Output:** Offers pure sine wave AC output (300W total), PD 100W USB-C fast charging, and multiple other outlets (2x AC, 1x 100W USB-C PD, 2x 12W USB-A, 1x 120W Car socket).
- **Long-lasting Lifespan:** Built with cutting-edge battery cell technology, providing up to 2,500 cycles and an estimated 10 years of use.
- **Emergency Power Supply (EPS):** Switches to EPS mode in just 20ms during sudden power failures.

2. IMPORTANT SAFETY INSTRUCTIONS

Please read and understand all safety instructions before operating the AMPACE Andes 300. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- Do not disassemble, repair, or modify the unit.
- Do not expose the unit to fire or high temperatures.
- Keep away from water, high humidity, and direct sunlight.

- Ensure proper ventilation during use and charging.
- Use only recommended charging cables and adapters.
- Keep out of reach of children and pets.
- Avoid dropping or subjecting the unit to strong impacts.
- If the unit emits unusual odors, heat, or smoke, discontinue use immediately and contact customer service.

3. WHAT'S IN THE BOX

Verify that all items are included in your package:

- 1x Ampace Andes 300 Portable Power Station
- 1x AC Charging Cable
- 1x Cable Bag
- 1x User Manual
- 1x Warranty Card

4. PRODUCT OVERVIEW

Familiarize yourself with the components and features of your AMPACE Andes 300 Portable Power Station.



Figure 4.1: Front view of the AMPACE Andes 300, showing the display, AC outlets, USB ports, and car socket.

4.1 Ports and Display



Figure 4.2: Detailed diagram illustrating the various input and output ports on the Andes 300.

- **AC Output Sockets (x2):** Standard household outlets for powering electronics and small appliances up to 300W.
- **USB-A Output Ports (x2):** 12W output for charging smartphones, tablets, and other USB-powered devices.
- **USB-C Output Port (x1):** 100W Power Delivery (PD) for fast charging laptops, tablets, and compatible smartphones.
- **Car Outlet Port (x1):** 120W output for car-powered devices like mini-fridges or air pumps.
- **DC Input Port:** For charging the power station via AC adapter or solar panel.
- **LCD Display:** Shows real-time information including battery level, input/output wattage, remaining runtime, and error indicators.

5. SETUP

5.1 Initial Charging

Before first use, it is recommended to fully charge your AMPACE Andes 300. This ensures optimal battery performance and extends its lifespan.

1. Connect the provided AC charging cable to the DC Input Port on the power station.
2. Plug the other end of the AC charging cable into a standard wall outlet (100-240V AC).
3. The LCD display will show the charging status and estimated time to full charge.
4. The unit will be fully charged in approximately 1 hour.

Charge Faster, Wherever You Go

0-100% Recharge in only 1 hour

1 hour (100%) **5X** Faster

Andes 300

5-9 hours (100%)

Others



Figure 5.1: Charging the Andes 300 using the included AC charging cable from a wall outlet.

6. OPERATING YOUR POWER STATION

6.1 Turning On/Off

- To turn on the unit, press and hold the main power button for 3 seconds. The LCD display will light up.

- To turn off the unit, press and hold the main power button for 3 seconds again.

6.2 Using AC Output

1. Ensure the power station is turned on.
2. Press the AC power button to activate the AC outlets. The AC icon will appear on the display.
3. Plug your AC-powered device into one of the AC output sockets.
4. The display will show the output wattage. Ensure your device's power consumption does not exceed 300W.
5. When finished, press the AC power button again to turn off the AC outlets and conserve power.

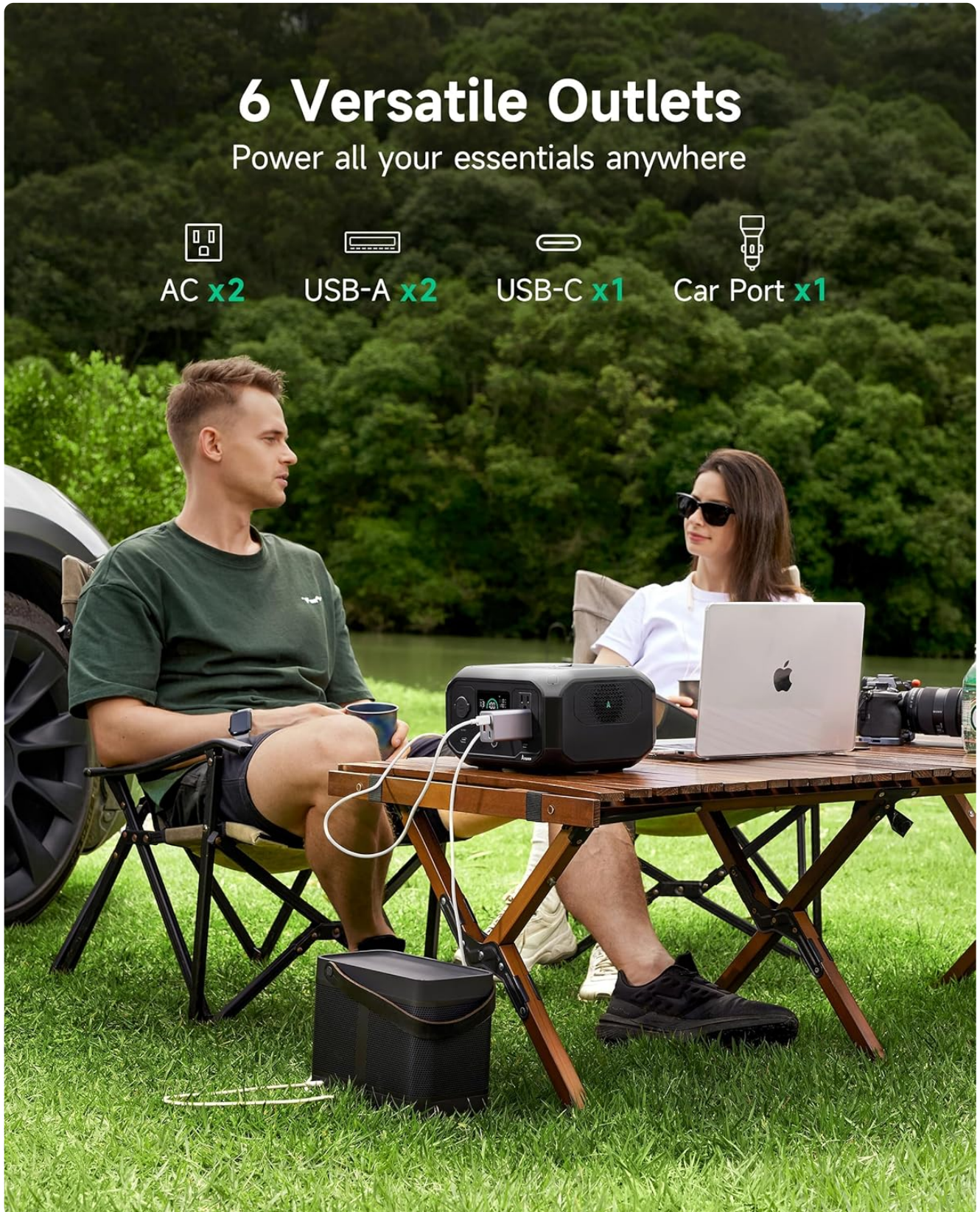


Figure 6.1: The Andes 300 powering a laptop and other devices during outdoor activities.

6.3 Using USB and Car Output

1. Ensure the power station is turned on.
2. Plug your USB-powered device into a USB-A or USB-C port. For car-powered devices, use the car outlet.
3. The unit will automatically detect and begin charging your device.
4. The display will show the output wattage for these ports.

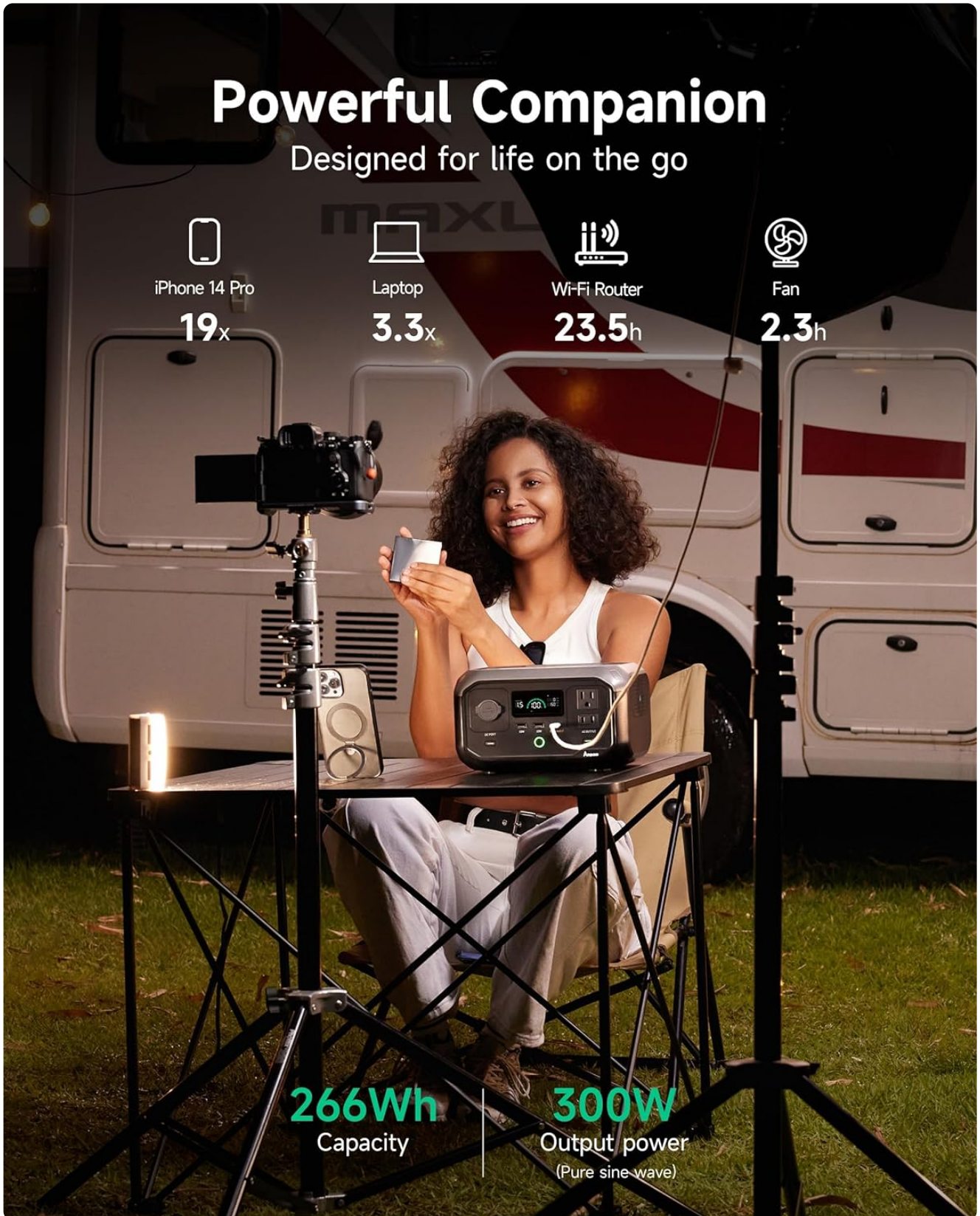


Figure 6.2: A user charging a smartphone and other small electronics with the Andes 300.

7. CHARGING THE AMPACE ANDES 300

7.1 AC Wall Charging

Use the included AC charging cable to charge the power station from a standard wall outlet. This method provides the fastest charging speed.

- Full charge in approximately 1 hour.
- 0-80% charge in 45 minutes.



Figure 7.1: The Andes 300 being charged via AC wall outlet (left) and solar panel (right).

7.2 Solar Panel Charging (Optional)

The Andes 300 can be charged using a compatible solar panel (not included). Ensure the solar panel has a DC output compatible with the power station's input specifications.

- Connect the solar panel to the DC Input Port.
- Optimal charging time with a 100W solar input is approximately 2.6 hours.
- Position the solar panel in direct sunlight for maximum efficiency.

Green Energy & Sustainable Charging

Recharge to 100% in 2.6h with 100W solar input



Figure 7.2: The Andes 300 connected to a solar panel for sustainable charging in an outdoor setting.

7.3 Car Charging

You can charge the power station from your vehicle's 12V car socket (cigarette lighter port) using a compatible car charging cable (not included).

- Connect the car charging cable to the DC Input Port.
- Plug the other end into your vehicle's 12V car socket.
- Charging time is approximately 2.6 hours (Max 96W input).

Light And Portable

Lightweight at only 8.2 lbs



Figure 7.3: Charging the Andes 300 inside a car using the 12V car socket.

8. MAINTENANCE

8.1 Storage

- Store the power station in a cool, dry place, away from direct sunlight and extreme temperatures.

- For long-term storage, charge the unit to 50-80% every 3-6 months to maintain battery health.
- Avoid storing in environments with high humidity or corrosive substances.

8.2 Cleaning

- Disconnect all cables before cleaning.
- Use a soft, dry cloth to wipe the exterior of the unit.
- Do not use abrasive cleaners or solvents.
- Keep the ventilation openings clear of dust and debris.

9. TROUBLESHOOTING

If you encounter issues with your AMPACE Andes 300, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Unit does not turn on.	Battery is completely drained.	Connect to AC power and charge for at least 10 minutes before attempting to turn on.
AC output not working.	AC output not activated; device power exceeds 300W; unit is overheated.	Press the AC button to activate. Check device wattage. Allow unit to cool down.
Slow charging from solar panel.	Insufficient sunlight; panel not properly angled; incompatible panel.	Ensure direct sunlight and optimal angle. Verify panel compatibility and wattage.
USB-C PD not fast charging.	Device not PD compatible; cable not PD compatible.	Ensure both device and cable support USB-C Power Delivery (PD).
Unit makes a fan noise.	Normal operation during high load or charging.	This is normal. The fan helps dissipate heat to maintain optimal operating temperature.

If the problem persists, please contact AMPACE Customer Service for further assistance.

10. SPECIFICATIONS

Feature	Detail
Model Name	Andes 300
Battery Capacity	266Wh (18 Amp Hours)
AC Output	300W (Pure Sine Wave), 600W Peak
USB-C PD Output	100W Max
USB-A Output	12W (5V/2.4A) per port

Feature	Detail
Car Socket Output	120W
AC Charging Time	1 hour (0-100%)
Solar Charging Time	2.6 hours (with 100W solar input)
Car Charging Time	2.6 hours (Max 96W input)
Operating Temperature	-4°F to 113°F (-20°C to 45°C)
Dimensions (L x W x H)	8.3"L x 5.6"W x 9.6"H
Weight	8.2 lbs

11. OFFICIAL PRODUCT VIDEOS

Ampace Andes Portable Power Station Overview

Your browser does not support the video tag.

This video provides a comprehensive overview of the Ampace Andes Portable Power Station, highlighting its features, design, and various applications. It showcases the product in different scenarios, demonstrating its portability and power capabilities.

12. WARRANTY AND CUSTOMER SUPPORT

The AMPACE Andes 300 Portable Power Station comes with a **3-year warranty**. If you experience any issues within this period, please contact AMPACE Customer Service. We will verify the issue and replace it with a new product for free.

For technical support, troubleshooting, or warranty claims, please visit the official AMPACE website or contact our customer service team using the contact information provided on the warranty card or product packaging.

You can also visit the [AMPACE Store on Amazon](#) for more product information and support resources.