

BLUETTI Apex 300

BLUETTI Apex 300 Portable Power Station User Manual

Model: Apex 300

1. INTRODUCTION

Thank you for choosing the BLUETTI Apex 300 Portable Power Station. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your device. Please read this manual thoroughly before using the product and retain it for future reference.

The BLUETTI Apex 300 is a high-capacity portable power station designed to provide reliable power for various applications, including RVs, camping, home backup, and off-grid living. It features a 2764.8Wh LiFePO4 battery, multiple AC and DC outputs, and advanced charging capabilities.

2. IMPORTANT SAFETY INFORMATION

To ensure safe operation, always follow these guidelines:

- Do not disassemble, repair, or modify the unit. Incorrect reassembly may cause fire or electric shock.
- Do not place the unit near heat sources or in direct sunlight for extended periods.
- Avoid exposure to rain or moisture. Keep the unit away from water.
- Use only BLUETTI-approved accessories and charging cables.
- Ensure proper ventilation during use and charging to prevent overheating.
- Keep out of reach of children and pets.
- In case of fire, use a dry powder fire extinguisher. Water may cause electric shock.
- Dispose of the unit according to local regulations. Do not dispose of with household waste.

3. PACKAGE CONTENTS

Verify that all items are included in your package:

- BLUETTI Apex 300 Power Station (x1)
- HUB D1 (shipped separately) (x1)

- AC Charging Cable (x1)
- Car Charging Cable (x1)
- Grounding Screw (x1)
- User Manual (x1)

What You Get

Apex 300

× 1



AC Charging Cable

× 1



Car charging cable

× 1



Hub D1

× 1



Grounding Screw

× 1



User Manual

× 1



Image 3.1: Included components: Apex 300 unit, AC charging cable, car charging cable, Hub D1, grounding screw, and user manual.

4. PRODUCT OVERVIEW

The BLUETTI Apex 300 is equipped with various ports and a display for monitoring its status. The Hub D1 expansion module provides additional DC output options.

4.1. Main Unit (Apex 300)



Image 4.1: The BLUETTI Apex 300 Portable Power Station, showing its main unit and the Hub D1 accessory.

The Apex 300 features a robust design with multiple AC outlets (6 total, 3840W continuous, 7680W surge) and a clear display panel indicating battery level, input/output power, and operational status. It supports dual-voltage 120V/240V output simultaneously.

4.2. Hub D1 Expansion Module

BLUETTI Hub D1 DC Power Hub

Ultimate 700W DC power Hub for RV adventures



700W Max Output



Dual Voltage (12V/24V)



Bluetooth Control



1 ×
RV Port



2 ×
Cigarette Lighter Port



2 ×
DC5521 Ports



2 ×
USB-C Ports



2 ×
USB-A Ports

* Requires BLUETTI Apex 300 (sold separately) or B300/B300K expansion batteries with 48V/90A P090D interface.

Image 4.2: The BLUETTI Hub D1 DC Power Hub, illustrating its various DC output ports including Anderson, cigarette lighter, DC5521, USB-C, and USB-A.

The Hub D1 is a compact DC panel designed to expand the Apex 300's DC output capabilities. It includes:

- 1x 50A Anderson Port (RV Port)
- 2x Cigarette Lighter Ports
- 2x DC5521 Ports
- 2x USB-C Ports
- 2x USB-A Ports

This module is ideal for powering RV appliances, Starlink systems, fridges, and other DC-powered gear.

5. SETUP

5.1. Initial Charging

Before first use, fully charge your BLUETTI Apex 300. Connect the provided AC charging cable to the unit and a

standard wall outlet. The display will indicate the charging status. A full charge ensures optimal battery performance and calibration.

5.2. Connecting the Hub D1

To utilize the additional DC ports, connect the Hub D1 to your Apex 300. Ensure the connection is secure. The Hub D1 is designed for seamless integration, providing a 700W maximum continuous DC output.

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 power-on.

6.2. Using AC Outputs

Plug your AC appliances into the 6 AC outlets on the Apex 300. The unit provides 3840W continuous power with a 7680W surge capability, suitable for high-power devices like RV ovens and air conditioners.



Image 6.1: The Apex 300 powering a microwave oven, demonstrating its AC output capability.

6.3. Using DC Outputs

Connect your DC devices to the appropriate ports on the Apex 300 or the Hub D1. This includes USB ports for small electronics, cigarette lighter ports, DC5521 ports, and the 50A Anderson port for RV-specific applications.



Compatible with 99% of RV Appliances

From weekend camping to full-time travel—one system powers it all

DC Systems
RV Fridges / Starlink Kits / Water Pumps

AC Devices
Air Conditioners / Microwave Ovens / Coffee Makers

* 30A AC output for high-power devices
50A Anderson connector (in HUB D1) to RV DC panel— 700W max continuous DC output

Image 6.2: The Apex 300 and Hub D1 providing power to various RV appliances, including DC systems like fridges and Starlink, and AC devices like air conditioners and coffee makers.

7. CHARGING THE APEX 300

The Apex 300 offers multiple charging methods:

7.1. AC Charging

Connect the AC charging cable to a standard wall outlet. The Apex 300 supports rapid AC charging, reaching 80% in approximately 45 minutes.

7.2. Solar Charging

Connect compatible solar panels to the Apex 300. It features dual MPPT (Maximum Power Point Tracking) for efficient solar energy conversion. With the B300K expansion battery, it can achieve up to 6400W solar input (2400W built-in + 4000W SolarX4K), charging 5.5kWh in 1.9 hours.

Solar Fast Charge Unleashed

Fully charge before outages hit



Image 7.1: The Apex 300 being charged by solar panels, highlighting its fast solar charging capabilities.

7.3. Generator Charging

The Apex 300 can be charged using a compatible generator. It works with most generators, supporting up to 11.52kW input (240V/50A Pure Sine Wave).

Rapid Power, Outage-Ready

Always powered during storms & outages

Solar Supercharge

Dual MPPT tracking (98% Efficiency)



AC Turbo Charge

Turbo Charge: 80% in **45 min**



Generator Charging Mode

Works with 95% Generators

Max 11.52kW Input (240V/50A Pure Sine Wave)



Image 7.2: Illustration of the various rapid charging methods for the Apex 300, including solar supercharge, AC turbo charge, and generator charging mode.

8. MAINTENANCE

8.1. Battery Care

The Apex 300 utilizes a LiFePO4 battery, designed for over 6,000 cycles to 80% capacity, offering an estimated 17-year lifespan. To prolong battery life:

- Avoid fully discharging the battery frequently.
- Charge the unit to at least 50% every 3-6 months if not in use.
- Store in a cool, dry place away from direct sunlight and extreme temperatures.

8.2. Cleaning

Use a dry, soft cloth to clean the exterior of the unit. Do not use harsh chemicals or abrasive materials.

9. TROUBLESHOOTING

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

- **Unit not turning on:** Ensure the battery is charged. If not, connect to an AC outlet for charging.
- **No output from ports:** Check if the specific output (AC/DC) is enabled. Verify that the appliance is within the power station's wattage limits.
- **Slow charging:** Ensure all charging cables are securely connected. For solar charging, check panel orientation and sunlight intensity.
- **Overload warning:** Disconnect some appliances to reduce the load. The unit will automatically shut down if overloaded to prevent damage.

For persistent issues, please contact BLUETTI customer support.

10. TECHNICAL SPECIFICATIONS

Feature	Specification
Brand	BLUETTI
Model	Apex 300
Battery Capacity	2764.8Wh
Battery Type	LiFePO4
Cycle Life	6,000+ cycles to 80% capacity
AC Output (Continuous)	3840W
AC Output (Surge)	7680W
AC Output Voltage	120V/240V (Simultaneous)
Total AC Outlets	6
Max Solar Input	6400W (with B300K expansion)
DC Ports (Hub D1)	50A Anderson, 2x Cigarette Lighter, 2x DC5521, 2x USB-C, 2x USB-A
Product Dimensions	20.67"L x 12.87"W x 12.6"H
Item Weight	83.8 Pounds

11. WARRANTY AND SUPPORT

BLUETTI products are designed for durability and performance. While specific warranty details are typically provided with your purchase documentation, BLUETTI is committed to providing excellent after-sales service. For any questions, technical assistance, or support needs, please refer to the contact information provided in your purchase documentation or visit the official BLUETTI website. Their widespread sales and service networks are available to assist you.

