

BLUETTI Apex 300

BLUETTI Apex 300 Portable Power Station User Manual

Model: Apex 300

1. INTRODUCTION

This manual provides essential instructions for the safe and efficient operation of your BLUETTI Apex 300 Portable Power Station. Please read this manual thoroughly before using the device and retain it for future reference.

The BLUETTI Apex 300 is a high-capacity portable power station designed to provide reliable electricity for various applications, including home backup, RV use, and off-grid power needs. It features a 2764.8Wh LiFePO4 battery, 3840W AC output (7680W surge), and supports simultaneous 120V/240V output.

2. SAFETY INSTRUCTIONS

Observe the following safety guidelines to prevent injury or damage to the device:

- Do not disassemble, repair, or modify the unit.
- Avoid exposure to rain, moisture, or direct sunlight for extended periods.
- Keep the unit away from heat sources, open flames, and flammable materials.
- Ensure proper ventilation during use and charging.
- Use only BLUETTI-approved accessories and charging cables.
- Keep out of reach of children and pets.
- Do not operate the unit if it is damaged or appears to be malfunctioning.

3. PACKAGE CONTENTS

Verify that all items are present upon unboxing:

- BLUETTI Apex 300 Power Station (x1)
- AC Charging Cable (x1)
- Car Charging Cable (x1)

- Grounding Screw (x1)
- User Manual (x1)

What You Get

Apex 300

x 1



AC Charging Cable

x 1



Car charging cable

x 1



Grounding Screw

x 1



User Manual

x 1



Image: Included components of the BLUETTI Apex 300 Portable Power Station.

4. SETUP

4.1 Initial Inspection and Placement

Upon receiving your Apex 300, inspect the packaging and unit for any signs of damage. Place the power station on a flat, stable surface in a well-ventilated area, away from direct sunlight and moisture. Ensure adequate space around the unit for heat dissipation.

4.2 Initial Charging

It is recommended to fully charge the Apex 300 before its first use. Connect the provided AC charging cable to the unit's AC input port and then to a standard wall outlet. The LCD display will indicate the charging status. The unit can reach

80% charge in approximately 45 minutes via AC charging.

5. OPERATING INSTRUCTIONS

5.1 Powering On/Off

To power on the Apex 300, press and hold the main power button until the LCD display illuminates. To power off, press and hold the main power button again until the display turns off.

5.2 Connecting Devices

The Apex 300 offers multiple output ports:

- **AC Outlets:** The unit features 6 AC outlets (3840W total, 7680W surge) for standard appliances. It supports simultaneous 120V/240V output.
- **NEMA TT-30R (120V/30A) & NEMA 14-50R (120V/240V, 50A):** These ports are designed for higher power draw devices, such as RV ovens or air conditioning units.
- **USB Ports:** Various USB-A and USB-C ports are available for charging smaller electronic devices.

Simply plug your devices into the appropriate output ports. Activate the specific output group (AC, DC, USB) using the corresponding buttons on the control panel.

Compact Power, Big Performance

Plug & play operation



4 × AC Outlet
(3,840W Max.)



1 × NEMA TT-30R
(120V/30A)



1 × NEMA 14-50R
(120/240V, 50A)

Just plug in and enjoy
reliable power anytime!



Image: BLUETTI Apex 300 providing power to household appliances.

5.3 Charging the Apex 300

The Apex 300 can be charged using several methods:

- **AC Charging:** Connect the AC charging cable to a wall outlet. The unit supports rapid charging, reaching 80% in approximately 45 minutes.
- **Solar Charging:** Connect compatible solar panels to the solar input ports. The Apex 300 has a 2400W built-in solar input and can expand to 6400W with additional accessories. It features dual MPPT tracking for up to 98% efficiency.
- **Car Charging:** Use the provided car charging cable to charge the unit from your vehicle's 12V/24V cigarette lighter port.
- **Generator Charging:** The unit is compatible with 95% of 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: Multiple charging options for the Apex 300, including solar, AC, and generator.

5.4 LCD Display

The LCD display provides real-time information on battery level, input/output wattage, charging status, and error indicators. Refer to the on-screen prompts for detailed information.

5.5 Expansion and Parallel Operation

The Apex 300 can be expanded with B300K external batteries to increase total capacity up to 58kWh. Multiple Apex 300 units can also be operated in parallel for increased power output. Refer to the specific expansion module's manual for detailed connection instructions.

6. MAINTENANCE

6.1 Battery Care

The Apex 300 utilizes a LiFePO4 battery, known for its longevity. It is rated for 6,000+ cycles to 80% of its original

capacity, providing an estimated 17-year lifespan with typical use. To maximize battery life:

- Avoid fully discharging the battery frequently.
- Store the unit with a charge level between 50% and 80% if not used for extended periods.
- Recharge the unit every 3-6 months during storage to prevent deep discharge.

6.2 Cleaning

Clean the exterior of the unit with a dry, soft cloth. Do not use abrasive cleaners or solvents. Ensure all ports are free of dust and debris.

6.3 Storage

Store the Apex 300 in a cool, dry place, away from direct sunlight and extreme temperatures. Ensure the unit is powered off during storage.

7. TROUBLESHOOTING

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

- **Unit does not power on:** Ensure the battery is charged. If not, connect to an AC outlet for charging.
- **No AC output:** Check if the AC output button is activated. Ensure the connected device's power draw does not exceed the unit's rated output (3840W continuous, 7680W surge).
- **No charging input:** Verify that the charging cable is securely connected and the power source is active. For solar charging, ensure panels are correctly oriented and receiving sufficient sunlight.
- **Overload warning:** Disconnect some devices to reduce the total power draw. The unit will automatically resume output once the load is within limits.

For persistent issues or technical support, please contact BLUEETTI customer service.

8. SPECIFICATIONS

Feature	Specification
Brand	BLUEETTI
Model	Apex 300
Wattage	2764.8 Watt-hours
Fuel Type	Electric
Power Source	Solar Powered
Item Weight	66.14 Pounds
Voltage	120 Volts (AC)
Output Wattage	3840 Watts (7680W Surge)
Battery Type	LiFePO4
Battery Cycles	6,000+ cycles to 80% capacity

Product Dimensions	20.67"L x 12.87"W x 12.6"H
Included Components	AC charging cable, BLUETTI Apex 300 Power Station, car charging cable, grounding screw

9. WARRANTY AND SUPPORT

9.1 Warranty Information

The BLUETTI Apex 300 Portable Power Station typically comes with a manufacturer's warranty. Please refer to the warranty card included in your package or visit the official BLUETTI website for detailed warranty terms and conditions. Retain your proof of purchase for warranty claims.

9.2 Customer Support

For technical assistance, troubleshooting, or any questions regarding your BLUETTI Apex 300, please contact BLUETTI customer support. Contact information can usually be found on the official BLUETTI website or in the documentation provided with your product.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

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

Do I need an additional electrical installation (ITM) for the 'Plug and Play' mode on the BLUETTI Apex 300?
For standard "Plug and Play" use of the BLUETTI Apex 300, you do not need an additional electrical installation or external ITM (Magnetothermal Switch/Circuit Breaker). The unit is designed to be portable and self-

contained. Here...

[Read full answer](#)