

## BLUETTI Apex300+2xB300K

# BLUETTI Apex 300 Solar Generator & 2 B300K User Manual

Model: Apex300+2xB300K

## 1. INTRODUCTION

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This manual provides essential information for the safe and efficient operation of your BLUETTI Apex 300 Solar Generator and B300K Expansion Batteries. Please read this manual thoroughly before using the product and retain it for future reference.



Figure 1: BLUETTI Apex 300 Solar Generator with two B300K Expansion Batteries.

## 2. PRODUCT OVERVIEW

### 2.1 Key Features

- **Storm-Ready Power:** The Apex 300 combined with two B300K batteries provides 8.3kWh capacity, 3840W continuous output, and 7680W surge power, capable of sustaining homes or RVs for 2-4 days during outages. It reliably powers essential appliances like refrigerators and medical equipment.
- **Direct Plug & Play:** Equipped with 6 AC outputs, the Apex 300 allows direct powering of RV appliances and indoor AC units without requiring shore power hookups. Its 7680W surge capability handles heavy loads efficiently.
- **Dual-Voltage Output:** Offers simultaneous 120V/240V output, enabling the operation of various appliances including refrigerators, AC units, and EV chargers without voltage compromises.

- **Multi-Charging Options:** Supports diverse charging methods including solar (2400W built-in, expandable to 6400W), AC (80% charge in 45 minutes), and generator (compatible with 95% of generators) for flexible and rapid power restoration.
- **Industry-Leading Efficiency:** Achieves a low 20W idle loss, providing 200% better efficiency and up to 3 times more runtime for low-power devices compared to standard units.

## 2.2 Included Components

- BLUETTI Apex 300 Power Station (x1)
- BLUETTI B300K Expansion Batteries (x2, shipped separately)
- AC Charging Cable (x1)
- Car Charging Cable (x1)
- Grounding Screw (x1)
- User Manual (x1)



Figure 2: All components included in the BLUETTI Apex 300 and B300K High-Capacity Expansion Kit.

## 3. SAFETY INFORMATION



Always adhere to the following safety guidelines to prevent injury or damage to the product:

- Do not disassemble, repair, or modify the unit.
- Keep the unit away from fire, water, and extreme temperatures.
- Ensure proper ventilation during use and charging.
- Use only BLUETTI-approved accessories and cables.
- Keep out of reach of children and pets.
- In case of fire, use a dry powder fire extinguisher.

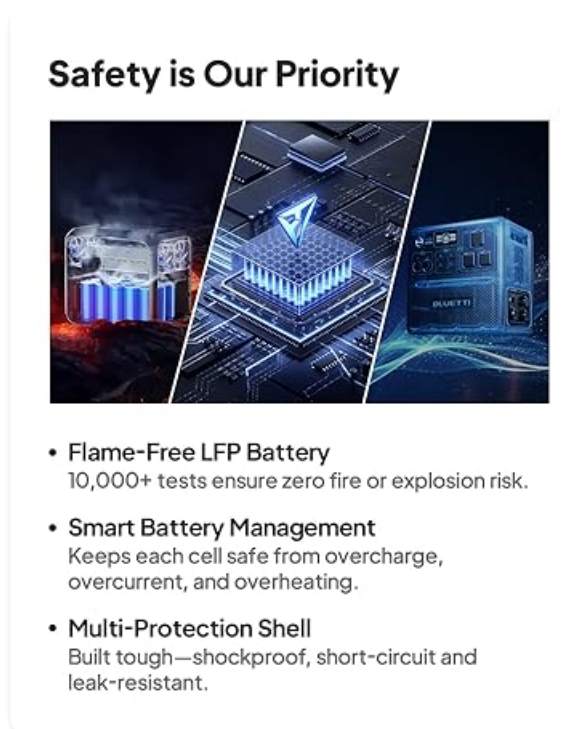


Figure 3: Safety features of the BLUETTI Apex 300, including Flame-Free LFP Battery and Smart Battery Management.

## 4. SETUP

### 4.1 Unboxing and Initial Inspection

Carefully remove all components from the packaging. Inspect for any damage during transit. If any damage is found, contact customer support immediately.

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Video 1: Unboxing of a BLUETTI B300 expansion battery, demonstrating packaging and initial contents. The B300K is similar in design and unboxing process.

### 4.2 Connecting Expansion Batteries (B300K)

To expand the capacity of your Apex 300, connect the B300K expansion batteries using the provided cables. Ensure the connections are secure. The Apex 300 can be expanded with multiple B300K units for increased power storage.

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Video 2: Demonstration of connecting BLUETTI Apex 300 with B500K batteries, illustrating the modular connection process applicable to B300K units.

## 4.3 Grounding

For safety, connect the grounding screw to an appropriate ground source as per local electrical codes.

## 5. OPERATION

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### 5.1 Powering On/Off

Press and hold the main power button on the Apex 300 to turn the unit on or off. The display will illuminate upon activation.

### 5.2 AC Output and Voltage Selection

The Apex 300 provides 6 AC outlets. Use the voltage selector switch to choose between 120V or 240V output depending on your appliance requirements. The unit supports simultaneous dual-voltage output.

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Video 3: Illustrates the 120V/240V dual voltage output capability of the BLUETTI Apex 300.

### 5.3 ECO Mode and Charging Modes

The Apex 300 features an ECO mode to conserve energy when loads are low. You can also select between Silent, Auto, and Turbo charging modes to optimize charging speed and noise levels.

# 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!



Figure 4: Front panel display of the BLUETTI Apex 300, showing operational status and settings.

## 6. CHARGING

The Apex 300 offers multiple flexible charging options:

- **AC Charging:** Connect the AC charging cable to a standard wall outlet. The unit can reach 80% charge in approximately 45 minutes.
- **Solar Charging:** Connect compatible solar panels to the DC/PV input ports. The Apex 300 has a 2400W built-in solar input and can be expanded to 6400W with additional accessories.
- **Generator Charging:** The unit is compatible with 95% of generators, providing another reliable charging method.
- **Car Charging:** Use the car charging cable to charge from your vehicle's 12V outlet.

# Solar Fast Charge Unleashed

Fully charge before outages hit



Figure 5: Solar fast charging setup for the BLUETTI Apex 300.



# Rapid Power, Outage-Ready

Always powered during storms & outages

### Solar Supercharge

Dual MPPT tracking (98% Efficiency)



80% in 40min

### 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)



Figure 6: BLUETTI Apex 300 charging from a generator.

## 7. SPECIFICATIONS

Specification	Value
Brand	BLUETTI
Model Number	Apex300+2xB300K
Wattage (Continuous)	3840 Watts
Output Wattage (Surge)	7680 Watts
Battery Capacity	8294.4Wh (Apex 300: 2764.8Wh + 2x B300K: 2764.8Wh each)
Battery Type	LFP (Lithium Iron Phosphate)
Voltage	120 Volts (AC) / 240 Volts (AC)
Total AC Power Outlets	6



Specification	Value
Power Source	Solar Powered, Electric
Idle Loss	20W

## 8. MAINTENANCE

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To ensure the longevity and optimal performance of your BLUETTI Apex 300 and B300K batteries, follow these maintenance guidelines:

- **Cleaning:** Use a dry, soft cloth to clean the exterior of the unit. Do not use harsh chemicals or abrasive materials.
- **Storage:** Store the unit in a cool, dry place away from direct sunlight and extreme temperatures. For long-term storage, charge the unit to approximately 50-80% every 3-6 months.
- **Battery Health:** Avoid fully discharging the batteries frequently. Regular partial discharges and recharges are beneficial for LFP battery health.
- **Firmware Updates:** Regularly check for and install firmware updates via the BLUETTI app to ensure optimal performance and access to new features.

## 9. TROUBLESHOOTING

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If you encounter any issues with your BLUETTI Apex 300, refer to the following common troubleshooting steps:

- **Unit Not Powering On:** Ensure the unit is charged. Check all cable connections.
- **No AC Output:** Verify that the AC output is enabled on the control panel. Check the circuit protector for any trips. Ensure the connected appliance is within the unit's wattage limits.
- **Charging Issues:** Confirm that charging cables are securely connected. For solar charging, ensure panels are correctly oriented and receiving sufficient sunlight. Check input voltage and current specifications.
- **Overload Protection:** If the unit shuts down due to overload, disconnect some appliances and restart the unit.

For persistent issues, please contact BLUETTI customer support.

## 10. WARRANTY AND SUPPORT

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BLUETTI products come with a manufacturer's warranty. Please refer to the warranty card included with your product for specific terms and conditions. For technical support, service, or warranty claims, please contact BLUETTI customer service through their official website or the contact information provided in your product documentation.











## PERFECT AFTER-SALE SERVICE

Widespread sales and after service networks, feel free to contact us should you have any questions.

Figure 7: BLUETTI customer support is available for assistance.

### Related Documents - Apex300+2xB300K

	<p><a href="#">BLUETTI Apex 300 Portable Power Station User Manual</a></p> <p>Comprehensive user manual for the BLUETTI Apex 300 portable power station, covering parallel connection, grid input current adjustment, maintenance, specifications, troubleshooting, FAQs, app usage, grounding, and safety guidelines.</p>
	<p><a href="#">BLUETTI Apex 300 Portable Power Station User Manual</a></p> <p>Comprehensive user manual for the BLUETTI Apex 300 Portable Power Station, covering setup, operation, charging, configuration, safety, and troubleshooting.</p>
	<p><a href="#">BLUETTI Apex 300 V2.0 Portable Power Station User Manual</a></p> <p>Comprehensive user manual for the BLUETTI Apex 300 V2.0 portable power station, covering setup, operation, features, specifications, and troubleshooting. Learn about AC and DC outputs, ECO mode, UPS functionality, and expansion options.</p>

<p>AC500+B300K Portable Power Station</p> <p>User Manual v1.0</p> <p><small>Power Bank, Portable Power Station, Solar Panel, and Expansion Battery Please Read Manual for Product Information</small></p> <p></p>	<p><a href="#">BLUETTI AC500+B300K Portable Power Station User Manual</a></p> <p>User manual for the BLUETTI AC500+B300K Portable Power Station, detailing its features, operation, safety guidelines, specifications, and troubleshooting for reliable power on the go.</p>
<p>Apex 300 Portable Power Station</p> <p>User Manual v1.0</p> <p><small>Important Instructions For optimal performance, please read and follow these instructions before using the unit. Do not use the unit in wet or damp conditions. Do not use the unit for purposes not intended by the manufacturer. Always use proper safety procedures.</small></p> <p></p> <p></p>	<p><a href="#">BLUETTI Apex 300 Portable Power Station User Manual</a></p> <p>Comprehensive user manual for the BLUETTI Apex 300 Portable Power Station and B300K expansion battery, covering features, operation, safety guidelines, and specifications for reliable green energy storage.</p>
<p>Apex 300 Portable Power Station</p> <p>User Manual v1.0</p> <p><small>Important Instructions For optimal performance, please read and follow these instructions before using the unit. Do not use the unit in wet or damp conditions. Do not use the unit for purposes not intended by the manufacturer. Always use proper safety procedures.</small></p> <p></p> <p></p>	<p><a href="#">Apex 300 Portable Power Station User Manual   BLUETTI</a></p> <p>Comprehensive user manual for the BLUETTI Apex 300 Portable Power Station. Learn about setup, charging, operation, safety, specifications, and troubleshooting.</p>