

BLUETTI AC200PL

BLUETTI AC200PL Solar Generator Instruction Manual

Model: AC200PL | Brand: BLUETTI

INTRODUCTION

The BLUETTI AC200PL Solar Generator is a robust portable power station designed to provide reliable energy for various applications, including RV travel, camping, and home power outages. This kit includes the AC200PL power station and a 350W foldable solar panel, offering a comprehensive solution for off-grid power needs. Featuring a 2304Wh LiFePO4 battery, 2400W AC output (with 3600W Power Lifting capability), and expandability up to 8448Wh, the AC200PL ensures stable and safe power delivery.

PRODUCT FEATURES

- **Solar Power Integration:** This kit includes the AC200PL and a 350-watt foldable solar panel, allowing replenishment from 0-80% in 5.3-10.6 hours via solar input.
- **Rapid Recharge Capability:** Achieve 0-80% charge in just 60 minutes with a maximum 2400W AC input. Up to 1200W solar input enables a full charge in 1.9-3.8 hours.
- **Durable and Safe LiFePO4 Battery:** Utilizes LiFePO4 batteries with 3000+ cycles, ensuring a 10-year lifespan. An advanced Battery Management System (BMS) prevents overcharging and short circuits, prioritizing safety and performance.
- **Versatile Output Ports:** Equipped with 4 x 2400W AC outlets, a 30A TT30 port for RVs, a 48V/8A DC port, a car port, 2 x 100W PD USB-C ports, and 2 x 15W USB-A ports, totaling 11 output options.
- **Expandable Capacity:** The AC200PL's 2304Wh capacity can be expanded up to 8448Wh with additional BLUETTI expansion batteries (B230 or B300, sold separately).
- **Power Lifting Mode:** Supports up to 3600W power lifting to care for most home appliances.
- **Seamless Home Backup Power:** UPS kicks in in just 0.02 seconds after a power outage, swiftly restoring power to appliances.
- **Remote Control via App:** Real-time status, parameter configuration, firmware upgrades, and more are easily managed with the BLUETTI App (Bluetooth and Wi-Fi connectivity).

PRODUCT OVERVIEW AND PORTS

The BLUETTI AC200PL features a user-friendly interface with a clear display and dedicated buttons for DC, USB, and AC outputs. Below is a detailed look at the unit's various ports and controls.

Your browser does not support the video tag.

Video Description: This video provides a detailed overview of the BLUETTI AC200L (similar to AC200PL) power station, highlighting its various ports, display, and control buttons. It demonstrates how to power on the unit, activate DC, USB, and AC outputs, and explains the display indicators for battery life and power usage. The video also showcases the 12V/10A cigarette lighter style output, 48V/8A DC output, USB-C 100W ports, USB-A 3A ports, and the 4 x 120V/20A AC outlets, along with the 30A TT30 RV port. The back panel inputs for DC/PV, AC, and battery expansion are also shown.

Enhanced Performance Beats All

Power most of RV appliances



2.3 Hours
Refrigerator
(800W)



1.9 Hours
Microwave
(1000W)



1.4 Hours
Lawn Mower
(1300W)



1.3 Hours
Dishwasher
(1400W)



Image Description: A close-up view of the BLUETTI AC200PL's front panel, clearly showing the power button, digital display, DC output ports (12V/10A and 48V/8A), USB-C 100W ports, USB-A 5V/3A ports, and the multiple AC outlets, including the 30A TT30 RV port. The display shows 95% battery life.

Before initial use, ensure your BLUETTI AC200PL is fully charged. The unit comes with all necessary cables for various charging methods. For solar charging, unfold the 350W solar panel and connect it to the DC/PV input port on the back of the AC200PL. For AC charging, use the provided AC charging cable.

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Video Description: This unboxing video for the BLUETTI AC200L (similar to AC200PL) demonstrates the initial setup process. It shows the contents of the box, including the power station, cables, and user manual. The video highlights the robust packaging and the unit's design, providing a visual guide for first-time users on how to unpack and prepare the device for use.



Image Description: The BLUETTI AC200PL power station is shown outdoors next to an RV, connected to a 350W foldable solar panel. This image illustrates the solar charging setup, emphasizing the portability and ease of deployment of the solar panel.

OPERATING INSTRUCTIONS

To operate the BLUETTI AC200PL, simply press the power button to activate the unit. The digital display will show battery percentage, input/output wattage, and estimated run time. Activate specific output sections (DC, USB, AC) by pressing their respective buttons. For optimal performance, ensure proper ventilation around the unit.

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Video Description: This video demonstrates the BLUETTI AC200L (similar to AC200PL) powering various appliances, including a window AC unit and other household items. It showcases the unit's ability to handle high-wattage devices and provides real-time power consumption data on the display, illustrating its practical application for home backup or off-grid living.

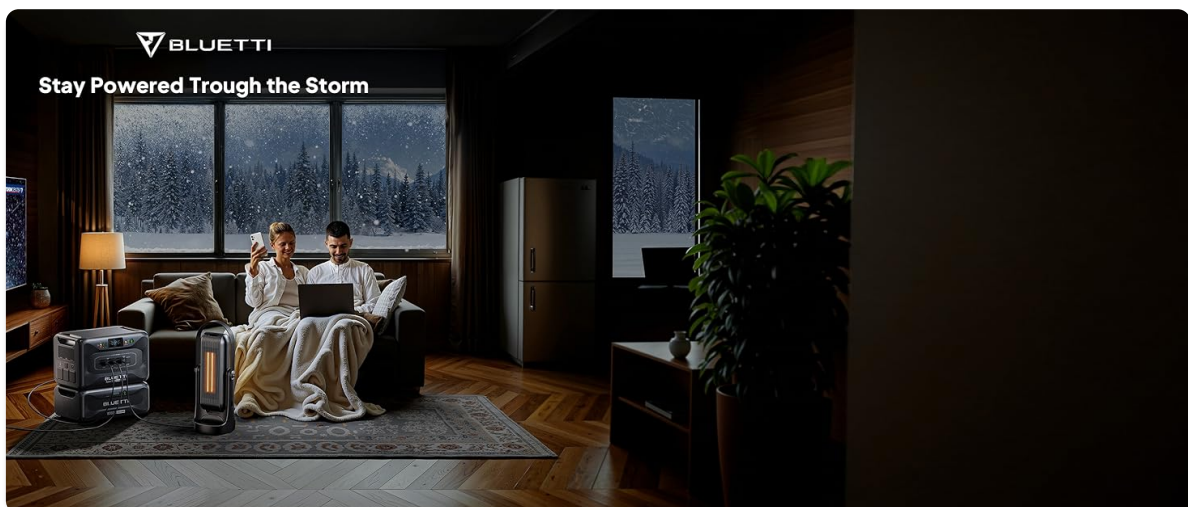


Image Description: The BLUETTI AC200PL is shown outdoors next to an RV, powering various appliances like a refrigerator, microwave, lawn mower, and dishwasher. The image highlights the unit's enhanced performance and its capability to power most RV appliances, with a note on 3600W power lifting.

CHARGING OPTIONS

The BLUETTI AC200PL offers multiple flexible charging options to ensure your power station is always ready for use. You can charge via standard AC wall outlets, solar panels, or even from your car's lighter port. For the fastest charging, combine AC and solar input.

- **AC Charging:** With a max 2400W AC input, the AC200PL can charge from 0-80% in just 60 minutes.
- **Solar Charging:** Up to 1200W solar input allows for a full charge in 1.9-3.8 hours, depending on sunlight conditions. The included 350W solar panel can replenish 0-80% in 5.3-10.6 hours.
- **Car Charging:** Replenish power on the go via your car's 12V/10A lighter port.
- **AC+PV Dual Charging:** Top up the AC200PL fully with a max 2400W input by combining solar and grid power simultaneously in just 1 hour.

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Video Description: This video demonstrates the installation and use of the Bluetti Charger 1, which can be used to charge the AC200PL from a boat's alternator. It shows the wiring process and how the charger integrates with the power station, providing a practical example of mobile charging solutions.



Image Description: The BLUETTI AC200PL is shown plugged into a standard wall outlet, illustrating its fast AC charging capability. The display indicates a 60-minute charge time to reach 80% capacity with a max 2400W input.

EXPANDABLE CAPACITY

The AC200PL's 2304Wh capacity can be significantly expanded to meet higher energy demands. By connecting BLUETTI B230 (2048Wh) or B300 (3072Wh) expansion batteries, the total capacity can reach up to 8448Wh. This modular design provides flexibility and scalability for various power needs.



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- Pioneer in Portable Power Solutions
- **12 Years** of Cutting-Edge Solar Tech
- Committed to Sustainability and Innovation
- Initiator of the *Lighting An African Family* Charity Event



Image Description: The BLUETTI AC200PL is shown stacked on top of a B300K expansion battery, illustrating its expandable capacity feature. This setup demonstrates how users can increase their total energy storage for extended power needs.

SAFETY GUIDELINES

The BLUETTI AC200PL is built with safety as a top priority. It features flame-free LiFePO₄ batteries, which undergo over 10,000 tests to ensure zero fire or explosion risk. The advanced Battery Management System (BMS) protects against overcharge, overcurrent, and overheating. A multi-protection shell provides shockproof, short-circuit, and leak-resistant durability.



PERFECT AFTER-SALE SERVICE

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

Image Description: An infographic detailing the safety features of the BLUETTI AC200PL, including its flame-free LiFePO₄ battery, smart Battery Management System (BMS) for protection against various electrical faults, and a multi-protection shell designed for durability and safety.

MAINTENANCE

To ensure the longevity and optimal performance of your BLUETTI AC200PL, store it in a cool, dry place away from direct sunlight and extreme temperatures. Periodically check the unit for any physical damage and keep the vents clear of obstructions. For long-term storage, it is recommended to discharge the unit to 50% and recharge it every 3-6 months.

TROUBLESHOOTING

If you encounter any issues with your BLUETTI AC200PL, please refer to the detailed troubleshooting section in the full user manual. Common issues may include charging problems, output failures, or display errors. Ensure all cables are securely connected and the unit is within its operating temperature range. If problems persist, contact BLUETTI customer support for assistance.

SPECIFICATIONS

Specification	Value
Brand	BLUETTI
Model Name	BLUETTI AC200PL with 350W Solar Panel
Wattage	2400 watts
Output Wattage	2400 Watts
Starting Wattage	2400 Watts
Fuel Type	Electric
Power Source	Solar Powered
Voltage	120 Volts
Item Weight	72 Pounds
Product Dimensions	16.5"L x 11"W x 14.4"H
Material	Metal (Frame, Housing), Plastic/Rubber (Electrical Components), Lifepo4 (Battery)
Total Power Outlets	4
Special Feature	Super Quiet
Included Components	350W Solar Panel, AC/Solar/Car Charging cable, BLUETTI AC200PL, XT90-aviation cable, user manual

WARRANTY AND SUPPORT

The BLUETTI AC200PL comes with a 5-year warranty, ensuring peace of mind for your investment. For any product inquiries, technical support, or warranty claims, please contact BLUETTI customer support for assistance. You can find contact information in the user manual or on the official BLUETTI website.



Image Description: A BLUETTI customer support representative wearing a headset, ready to assist with product inquiries. This image emphasizes the availability of support for users.