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BLUETTI AC180+350W

BLUETTI AC180 Portable Power Station User Manual

Model: AC180+350W

INTRODUCTION

Thank you for choosing the BLUETTI AC180 Portable Power Station. This comprehensive user manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your device. The AC180 is a versatile power solution designed for various applications, from home backup to outdoor adventures, offering reliable power with its 1152Wh capacity and 1800W AC output.



Image: The BLUETTI AC180 Portable Power Station shown alongside its accompanying 350W foldable solar panel.

SAFETY INSTRUCTIONS

Please read and understand all safety instructions before operating the AC180. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- Do not disassemble, repair, or modify the unit.
- Keep the device away from heat sources, direct sunlight, and flammable materials.
- Ensure proper ventilation during operation to prevent overheating.

- Do not expose the device to water or excessive humidity.
- Use only original or certified accessories and charging cables.
- Keep out of reach of children and pets.
- In case of fire, use a dry powder fire extinguisher.



Image: Illustration highlighting the safety features of BLUETTI products, including LiFePO4 battery cells and advanced Battery Management System (BMS) technology.

PACKAGE CONTENTS

Verify that all items are included in your package:

- BLUETTI AC180 Portable Power Station
- 350W Solar Panel (Ships Separately)
- AC Charging Cable
- Solar Charging Cable
- Car Charging Cable
- User Manual

PRODUCT OVERVIEW

Familiarize yourself with the various ports and controls on your AC180.

11 Outlets to Spare

Multiple devices, one station



4 × AC
Outlets



1 × Car
Outlet



1 × Wireless
Charging Pad



1 × USB-C



4 × USB-A



Image: Front view of the BLUETTI AC180 showing its 11 output ports, including four AC outlets, one car outlet, one wireless charging pad, one USB-C port, and four USB-A ports.

- **AC Outlets:** 4 × 120V/1800W (2700W Surge)
- **DC Output:** 1 × 12V/10A Car Port
- **USB-C Output:** 1 × 100W
- **USB-A Output:** 4 × 5V/3A
- **Wireless Charging Pad:** 1 × 15W (on top)
- **DC/PV Input:** For solar and car charging (12V-60VDC/10A)
- **AC Input:** For wall charging (1440W Max)
- **LCD Display:** Shows input/output power, battery level, and remaining runtime.

SETUP

Before first use, fully charge your BLUETTI AC180.

1. **Unpacking:** Carefully remove all components from their packaging.
2. **Initial Charge:** Connect the AC charging cable to the AC input port on the AC180 and plug it into a standard wall outlet. The LCD display will show the charging status.
3. **Full Charge:** Allow the unit to charge until the battery indicator shows 100%. This may take approximately 1 hour with 1440W AC fast charging.

OPERATING INSTRUCTIONS

Charging the AC180

The AC180 offers multiple charging options to suit your needs:

Multiple Charging Options

For your choice



Socket



Generator



Solar Panel



Car Port

0-80% in 45 Minutes



1440W AC Fast Charging

Image: The BLUETTI AC180 display indicating various charging methods, including standard wall socket, generator, solar panel, and car port.

- **AC Wall Charging:** Connect the AC charging cable to a wall outlet. The AC180 supports up to 1440W fast charging, allowing 0-80% charge in approximately 45 minutes.
- **Solar Charging:** Connect the solar charging cable to your 350W solar panel and then to the DC/PV input port on the AC180. The unit supports up to 500W max solar input. With the 350W solar panel, it can charge from 0-80% in 3.1-3.6 hours under optimal sunlight.
- **Car Charging:** Use the car charging cable to connect the AC180 to your vehicle's 12V cigarette lighter port.

Powering Devices

The AC180 provides various output options for your electronic devices and appliances.

- **AC Output:** Press the AC power button to activate the AC outlets. Plug in your devices (e.g., laptops, small appliances). The AC180 can deliver up to 1800W continuous power, with a Power Lifting mode boosting it to 2700W for higher-wattage devices.
- **DC Output:** Press the DC power button to activate the 12V car port. Ideal for car refrigerators or other 12V devices.
- **USB Output:** Plug your USB devices into the USB-A or USB-C ports. The USB-C port supports up to 100W Power Delivery for fast charging compatible devices.
- **Wireless Charging:** Place your Qi-compatible smartphone or device on the wireless charging pad on top of the unit.

Powerful Companion

1152Wh / 1800W



2 Hours

Hair Dryer (500W)



9.8 Hours

Projector (100W)



16.3 Hours

Mini Fridge (60W)



* Power lifting: up to 2700W

Image: A man using the BLUETTI AC180 to power a projector and mini-fridge in a camping setting, demonstrating its utility as a portable power companion.

UPS Functionality

The AC180 can serve as an Uninterruptible Power Supply (UPS) for essential devices, providing emergency power in as little as 20ms during an outage.



Image: The BLUETTI AC180 seamlessly providing backup power to household appliances like a refrigerator and television during a power interruption.

Mobile App Control

Monitor and control your AC180 remotely using the BLUETTI mobile app via Bluetooth connection.

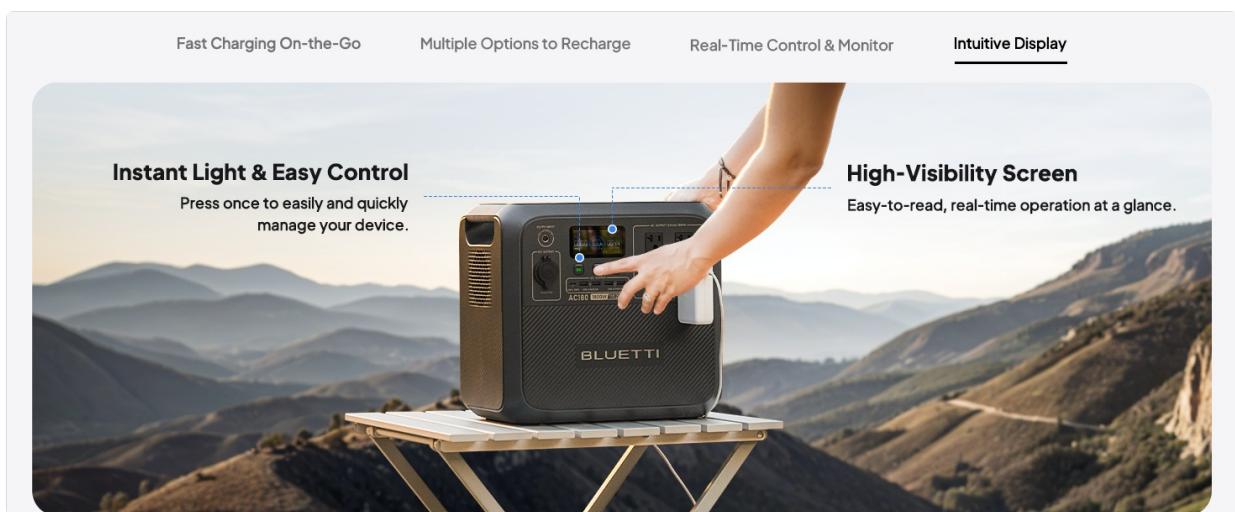


Image: Screenshot of the BLUETTI mobile application, demonstrating its intuitive interface for real-time monitoring and control of the power station's status and settings.

MAINTENANCE

- **Cleaning:** Use a dry, soft cloth to wipe the surface of the unit. Do not use abrasive cleaners or solvents.
- **Storage:** Store the AC180 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 prolong battery life.
- **Battery Care:** The AC180 uses a durable LiFePO4 battery designed for over 3500 charge cycles. Avoid fully discharging the battery regularly to maximize its lifespan.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Unit not turning on	Battery fully discharged; Power button not pressed correctly.	Charge the unit; Press and hold the power button for 3 seconds.
No AC output	AC output not activated; Overload protection triggered.	Press the AC button; Reduce load, restart unit.
Slow solar charging	Insufficient sunlight; Panel angle incorrect; Dirty panels.	Adjust panel angle for direct sunlight; Clean panels.

SPECIFICATIONS

Feature	Detail
Brand	BLUETTI
Model Name	AC180+350W
Battery Capacity	1152Wh (LiFePO4)
AC Output	1800W (2700W Surge)
Max Solar Input	500W
AC Charging Speed	1440W Max (1 hour to full)
Total Power Outlets	11
Item Weight	35.3 Pounds
Product Dimensions	13.4" L x 9.7" W x 12.5" H

WARRANTY & SUPPORT

The BLUETTI AC180 comes with a 5-year warranty, ensuring long-term reliability and peace of mind. For any questions, technical assistance, or warranty claims, please contact BLUETTI customer support through their official channels or visit their website.

You can also refer to the official User Manual (PDF) for more detailed information [Download PDF Manual](#)



Image: BLUETTI customer support team ready to assist with product inquiries and service.

OFFICIAL PRODUCT VIDEO

Watch the official BLUETTI product video for a visual guide on the AC180's features and uses.

Your browser does not support the video tag.

Video: Official BLUETTI overview of the Portable Power Station AC180, showcasing its design, features, and various applications.