

## BLUETTI AC180

# BLUETTI AC180 Portable Power Station User Manual

Model: AC180 | Brand: BLUETTI

## 1. INTRODUCTION

Thank you for choosing the BLUETTI AC180 Portable Power Station. This manual provides essential information for the safe and efficient operation of your device. Please read it thoroughly before use and retain it for future reference.

### What's Included:

- BLUETTI AC180 Portable Power Station
- AC Charging Cable
- Car Charging Cable
- Solar Charging Cable
- Acid to DC7909 Cable (shipped separately)
- User Manual

## 2. SAFETY INSTRUCTIONS

Always follow basic safety precautions when using this product to reduce the risk of injury or damage.

- Do not disassemble, repair, or modify the unit.
- Do not place the unit near heat sources or in direct sunlight.
- Ensure proper ventilation. Keep the air vents on both sides clear to prevent overheating.
- Use only original or certified cables.
- Keep the unit dry and away from water or other liquids.
- Do not drop, strike, or subject the unit to strong impacts.
- This unit features a circuit protector that will shut down the device if not operated properly or under safe conditions.
- Utilize the grounding cable hook-up for enhanced safety when charging via AC input.

## 3. PRODUCT OVERVIEW

The BLUETTI AC180 is a compact and powerful portable power station designed for various applications, from home backup to outdoor adventures.



Figure 1: Front view of the BLUETTI AC180 Portable Power Station, showing the display, AC outlets, USB ports, and DC output.

### Front Panel:

- **DC/PV Input:** For charging via solar panels or other DC sources (12-60VDC/10A).
- **DC Output:** 12V/10A car outlet.
- **Display Screen:** Shows input/output wattage, battery percentage, and remaining runtime.
- **Control Buttons:** DC, Power (On/Off), AC.
- **USB-C Output:** 100W fast charging.
- **USB-A Output:** 4 ports, 5VDC/3A each.
- **AC Output:** 4 standard 120VAC/1800W outlets.
- **Wireless Charging Pad:** 15W output on top surface.

### Rear Panel:

- **AC Input:** For charging via wall outlet (12V/AC/20A).
  - **Circuit Protector:** Resets the unit in case of overload.
  - **Grounding Terminal:** For connecting a grounding cable.
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## 4. SETUP

Before first use, fully charge your BLUETTI AC180.

### Initial Charging:

1. Connect the AC charging cable to the AC Input port on the rear of the AC180.
  2. Plug the other end of the AC charging cable into a standard wall outlet.
  3. The display screen will show the input wattage and battery percentage increasing.
  4. Charge until the battery indicator shows 100%.
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## 5. 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

**1440W AC Fast Charging**  
**0-80% in 45 Minutes**



Figure 2: The AC180 supports various charging methods including AC, solar, and car charging.

## AC Wall Charging:

- Connect the AC charging cable to the AC Input port and a wall outlet.
- The AC180 supports up to 1440W AC input, allowing it to charge from 0% to 80% in approximately 45 minutes.

## Solar Charging:

- Connect compatible solar panels (up to 500W input) to the DC/PV Input port using the provided solar charging cable.
- Full charge can be achieved in 2.8-3.3 hours with optimal sunlight.

## Car Charging:

- Use the car charging cable to connect the AC180 to your vehicle's 12V car outlet.
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## 6. OPERATING THE AC180

The AC180 is designed for intuitive operation with a clear display and easy-to-use controls.

### Power On/Off:

- Press and hold the main Power button to turn the unit on or off.
- The display screen will activate, showing battery status, input/output, and remaining runtime.

### Using AC/DC Outputs:

- Press the 'DC' button to activate the DC output ports (USB-A, USB-C, Car Outlet).
- Press the 'AC' button to activate the AC output outlets.
- Outputs can be turned on/off independently.

### Uninterrupted Power Supply (UPS) Function:

- The AC180 can function as a UPS, providing emergency power to connected devices within 20ms during a power outage.
- To use, plug the AC180 into a wall outlet and then plug your device into the AC180's AC outlets.

### Wireless Charging:

- Place your compatible device on the wireless charging pad on top of the unit.
- The 15W output provides convenient wireless charging.

### BLUETTI App Control:

- Download the BLUETTI App to monitor and control your AC180 remotely via Bluetooth.
  - The app allows you to check power input/output, battery percentage, and turn AC/DC outputs on/off.
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## 7. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your AC180.

### Battery Care:

- The LiFePO4 battery offers 3500+ charge cycles to 80% original capacity.
- For optimal battery health, avoid completely draining the battery frequently.
- Recharge the unit at least once every 3-6 months if not in regular use.

### Storage:

- Store the unit in a cool, dry place away from direct sunlight and extreme temperatures.
  - Ensure the unit is turned off during storage.
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## 8. TROUBLESHOOTING

If you encounter issues with your AC180, refer to the following common solutions:

- **Unit not turning on:** Ensure the battery is charged. If not, connect to a power source.
- **No output from ports:** Ensure the DC or AC output buttons are pressed and their indicator lights are on.
- **Overload warning:** If the unit displays an overload warning, disconnect some devices and press the circuit protector button on the rear panel to reset.
- **Overheating:** Ensure the air vents on both sides are clear and unobstructed. Allow the unit to cool down.

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## 9. SPECIFICATIONS

Feature	Specification
Model Name	AC180
Brand	BLUETTI
Battery Capacity	1152Wh LiFePO4
AC Output	1800W (2700W Peak)
Total Outlets	11
AC Input	1440W Max (0-80% in 45 min)
Solar Input	500W Max (2.8-3.3 hours)
UPS Switching Time	20ms
Lifespan	3500+ Cycles to 80%
Dimensions (L x W x H)	13.4" x 9.7" x 12.5"
Weight	35.3 lbs
Material	Engineering Plastic or Metal



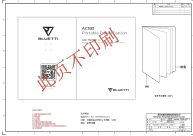



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## 10. WARRANTY AND SUPPORT

The BLUETTI AC180 comes with a 5-year product coverage, ensuring reliability and peace of mind.

- For warranty claims or technical support, please visit the official BLUETTI website or contact their customer service.
- Keep your purchase receipt as proof of purchase for warranty services.



<div>AC180 Portable Power Station</div> <div>User Manual</div> <div><small>Power, Protect, Power Up and More with BLUETTI. Make Your Life Easier and Greener.</small></div> <div></div>	<div><a href="#">BLUETTI AC180 Portable Power Station User Manual</a></div> <div>Comprehensive user manual for the BLUETTI AC180 Portable Power Station, detailing its features, operation, safety instructions, and specifications. Learn how to charge, discharge, and utilize the BLUETTI app for optimal performance.</div>
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