**BLUETTI AC240**

# BLUETTI Pioneer 150 (AC240) Portable Power Station User Manual

Model: AC240 | Brand: BLUETTI

## 1. PRODUCT OVERVIEW

The BLUETTI Pioneer 150 (AC240) is a robust and versatile portable power station designed for various applications, from outdoor adventures like camping and RV life to providing emergency home backup power. It features a 1536Wh LFP battery, expandable up to 10136Wh with additional batteries, and delivers a powerful 2400W AC output. With its IP65 dustproof and water-resistant rating, it is built to withstand challenging environments. The AC240 supports multiple charging methods and offers a comprehensive array of output ports for simultaneous device charging.

Figure 1: Front view of the BLUETTI AC240 Portable Power Station, showing various input and output ports, and the display screen.

## 2. WHAT'S IN THE BOX

Upon unboxing your BLUETTI Pioneer 150 (AC240), please verify that all the following components are included:

- BLUETTI Pioneer 150 (AC240) portable power station
- AC charging cable
- Solar charging cable
- Car charging cable
- Grounding screws
- User manual (this document)

# 3. SETUP GUIDE

## 3.1 Initial Charging

Before first use, it is recommended to fully charge your BLUETTI AC240. The unit can charge from 0% to 80% in approximately 45 minutes using 2400W AC input, or fully charge in 1.8-2.3 hours with 1200W solar input. Multiple charging options are available:

- **AC Charging:** Connect the provided AC charging cable to a standard wall outlet.
- **Solar Charging:** Connect compatible solar panels (up to 1200W) using the solar charging cable.
- **Car Charging:** Use the car charging cable to charge from your vehicle's 12V/24V cigarette lighter port.
- **AC+DC Charging:** Combine AC and DC (solar/car) inputs for faster charging.
- **Generator Charging:** Connect to a compatible generator.
- **Lead-acid Battery Charging:** Connect to a lead-acid battery for charging.

Figure 2: The BLUETTI AC240 being charged by solar panels connected to a truck, demonstrating its portability and solar charging capability.

## 3.2 Physical Placement

The BLUETTI AC240 is designed with an IP65 dustproof and water-resistant rating, making it suitable for use in various environments. While it can withstand dust and low-pressure water jets, avoid direct immersion in water. Place the unit on a stable, flat surface, ensuring adequate ventilation around all sides to prevent overheating.

Figure 3: Visual representation of the BLUETTI AC240's IP65 rating, showing it being splashed with water and covered in dust, highlighting its durability.

# 4. OPERATING INSTRUCTIONS

## 4.1 Powering On/Off

To power on the BLUETTI AC240, press and hold the main power button until the display illuminates. To power off,

press and hold the main power button again until the display turns off.

## 4.2 Output Ports

The AC240 is equipped with 9 versatile output ports to power a wide range of devices simultaneously:

- **2 x 20A AC Outputs:** Capable of delivering up to 2400W (3600W with Power Lift mode) for standard household appliances.
- **1 x 30A TT30 Output:** Ideal for RVs and larger appliances.
- **2 x USB-A Ports:** For charging smaller electronic devices.
- **2 x USB-C Ports:** For fast charging compatible devices.
- **1 x Cigarette Socket:** Standard 12V car accessory port.
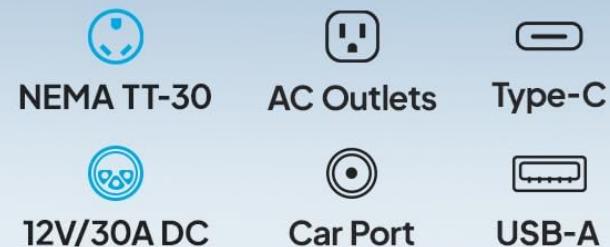- **1 x 12V/30A DC Output:** High-current DC output for specific applications.

Figure 4: The BLUETTI AC240 connected to an RV, illustrating its various output ports including NEMA TT-30, AC outlets, Type-C, 12V/30A DC, Car Port, and USB-A.

## 4.3 Expandable Capacity

The BLUETTI AC240 offers a base capacity of 1536Wh, which can be significantly expanded by connecting up to four B210 external batteries. This allows for a total capacity of 10,136Wh, providing extended power for longer durations or higher power demands.

Figure 5: A visual representation of the BLUETTI AC240 stacked with multiple B210 extra batteries, demonstrating its expandable capacity for prolonged power supply.

## 4.4 Uninterruptible Power Supply (UPS) Function

The AC240 features an Uninterruptible Power Supply (UPS) function, providing seamless power transition in case of a grid outage. This ensures that connected devices remain powered without interruption, making it ideal for sensitive electronics or critical loads.

## 4.5 Remote App Control

Manage and monitor your BLUETTI AC240 remotely using the dedicated BLUETTI app. The app provides real-time information on power consumption, battery status, and allows for remote control of settings and output ports.

## 5. MAINTENANCE

### 5.1 Battery Care

The BLUETTI AC240 utilizes durable LFP (LiFePO4) batteries, designed for over 3500 charge cycles while retaining 80% of their original capacity. To maximize battery lifespan:

- Avoid prolonged storage at extremely low or high charge levels.
- Store the unit in a cool, dry place away from direct sunlight.
- Recharge the unit at least once every 3-6 months if not in regular use.

### 5.2 Cleaning

Despite its IP65 rating, regular cleaning helps maintain the unit's performance and appearance. Use a soft, dry cloth to wipe down the exterior. For stubborn dirt, a slightly damp cloth can be used, ensuring no liquid enters the ports. Do not use harsh chemicals or abrasive cleaners.

### 5.3 Storage

When storing the AC240 for extended periods, ensure it is charged to approximately 50-60%. Disconnect all cables and store it in a well-ventilated area within the recommended temperature range specified in the specifications section.

## 6. TROUBLESHOOTING

This section addresses common issues you might encounter with your BLUETTI AC240. If the problem persists, please contact customer support.

| Problem | Possible Cause | Solution |
|---|---|---|
| Unit does not power on. | Battery fully depleted; Power button not held long enough. | Charge the unit; Press and hold the power button for 3-5 seconds. |
| No AC output. | AC output not enabled; Overload protection triggered; Low battery. | Ensure AC output is turned on; Reduce load; Recharge the unit. |
| Slow charging. | Insufficient input power (e.g., cloudy weather for solar); Charging mode not optimized. | Ensure optimal solar conditions or use AC charging; Check charging cable connections. |
| App connection issues. | Bluetooth/Wi-Fi off; App outdated; Unit too far from device. | Enable Bluetooth/Wi-Fi; Update app; Move closer to the unit. |

# 7. SPECIFICATIONS

| Feature | Detail |
|---------|--------|
| Brand | BLUETTI |
| Model Name | AC240 |
| Wattage | 1536 Watt-hours |
| Output Wattage | 2400W (4800W Peak) |
| Voltage | 120 Volts (AC) |
| Fuel Type | Electric |
| Power Source | Solar Powered |
| Recommended Uses | Camping, Home Backup, RV Life |
| Item Weight | 72 Pounds |
| Product Dimensions | 16.5"L x 11.6"W x 16.1"H |
| Special Feature | Portable, IP65 Dustproof & Water-resistant, UPS, Power Lift |
| Total Power Outlets | 9 |
| Frequency | 60 Hz |
| Current Rating | 20 Amps |
| Battery Type | LFP (LiFePO4) |
| Cycle Life | 3500+ cycles to 80% capacity |

Figure 6: Dimensions of the BLUETTI AC240 Portable Power Station, showing its length, width, and height.
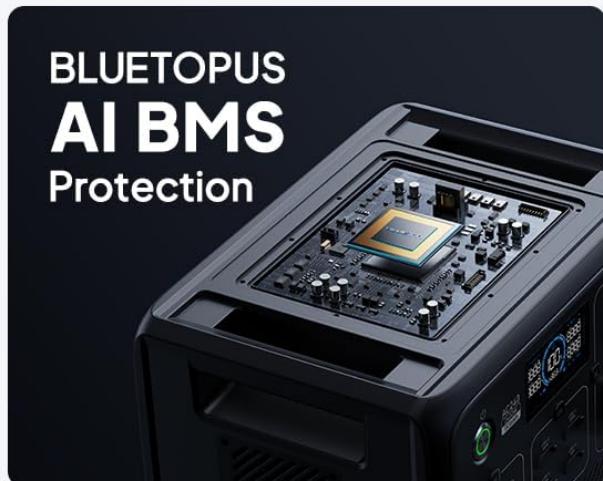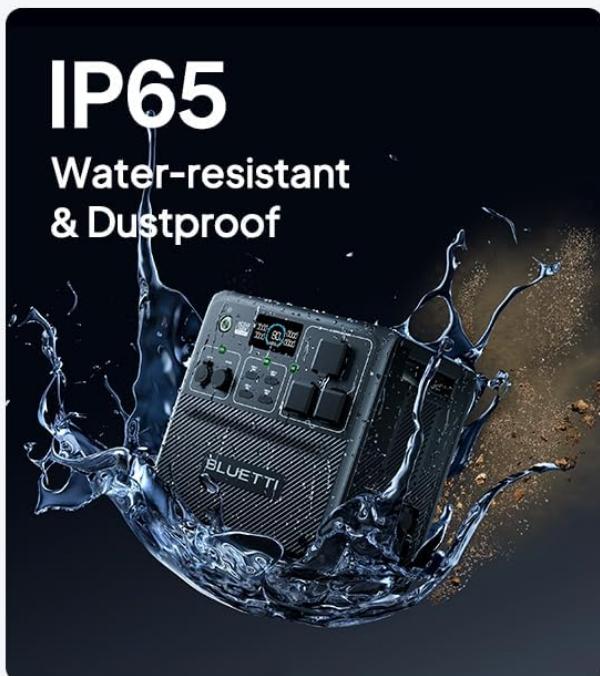
## 8. WARRANTY AND SUPPORT

### 8.1 Warranty Information

The BLUETTI Pioneer 150 (AC240) comes with a **6-year warranty**, ensuring long-term reliability and peace of mind. This warranty covers manufacturing defects and ensures the product performs as expected under normal use conditions.

Figure 7: Overview of BLUETTI AC240's reliability features, including IP65 rating, grounding, 6-year warranty, 10-year lifespan, 3500+ LFP battery cycles, and BLUETOPUS AI BMS Protection.

## 8.2 Customer Support

BLUETTI maintains widespread sales and after-service networks to provide comprehensive support. Should you have any questions, require technical assistance, or need to address warranty claims, please do not hesitate to contact our customer support team. Refer to the official BLUETTI website for the most current contact information and support resources.

## Related Documents - AC240

| | |
|---|---|
| AC240<br>Portable Power Station<br>User Manual | **[BLUETTI AC240 Portable Power Station User Manual](#)**<br>Comprehensive user manual for the BLUETTI AC240 Portable Power Station, covering safety instructions, product overview, charging, discharging, settings, specifications, troubleshooting, and more. Learn how to use and maintain your AC240 for reliable power on the go. |
| Handsfree 1<br>Portable Power Station<br>User Manual | **[BLUETTI Handsfree 1 Portable Power Station User Manual | Features, Specs, Safety](#)**<br>Comprehensive user manual for the BLUETTI Handsfree 1 Portable Power Station. Learn about its features, specifications, charging, discharging, safety guidelines, and troubleshooting. |
| AC200P L<br>Портативна електростанція<br>Посібник користувача | **[BLUETTI AC200P L Portable Power Station User Manual](#)**<br>Comprehensive user manual for the BLUETTI AC200P L portable power station, detailing safety instructions, package contents, product features, operation, charging methods, discharging capabilities, settings, expansion battery connection, app usage, technical specifications, button functions, and troubleshooting tips. |
| BLUETTI EB3A<br>User Manual | **[BLUETTI EB3A Portable Power Station User Manual](#)**<br>Comprehensive user manual for the BLUETTI EB3A portable power station, covering setup, operation, safety, specifications, and troubleshooting. Learn how to charge, discharge, and utilize its features. |
| AC50P<br>Portable Power Station<br>User Manual | **[BLUETTI AC50P Portable Power Station User Manual](#)**<br>Comprehensive user manual for the BLUETTI AC50P Portable Power Station, detailing features, operation, safety instructions, specifications, and troubleshooting for this 700W 504Wh LiFePO4 battery power station. |

AC180P
Portable Power Station

User Manual
Please read this manual carefully before use and keep it for future reference.

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[BLUETTI AC180P Portable Power Station: User Manual & Guide](#)

Comprehensive user manual for the BLUETTI AC180P portable power station, detailing its 1800W output, 1440Wh LiFePO4 battery, operation, safety, specifications, and troubleshooting for reliable off-grid power.