BLUETTI AC180P

BLUETTI Portable Power Station AC180P User Manual

INTRODUCTION

About the BLUETTI AC180P

The BLUETTI Portable Power Station AC180P is a versatile and robust power solution designed for various applications, from outdoor adventures to home backup during power outages. It features a 1440Wh LiFePO4 battery, offering reliable and long-lasting power.

The AC180P can be fully charged in approximately 1.4 hours with a 1440W AC input, ensuring it's ready when you need it most. It provides an 1800W output with 11 outlets, capable of powering a wide range of devices. For higher power demands, the unit supports a Power Lifting mode up to 2700W via the BLUETTI App.

Equipped with a built-in MPPT charge controller, it supports up to 500W solar input, allowing for full solar charging in 3.4-3.8 hours using clean, renewable energy. Beyond its portable capabilities, the AC180P also functions as a reliable Uninterruptible Power Supply (UPS), providing emergency power to essential devices within 20 milliseconds during grid failures.

The BLUETTI Portable Power Station AC180P, a versatile power solution.

POWERFUL COMPANION

1440Wh / 1800W

2.3 Hours
Hair Dryer (500W)

2.9 Hours
Juicer (400W)

11.52 Hours
Projector (100W)

19.2 Hours
Mini Fridge (60W)

* Power lifting: up to **2700W**

The AC180P as a powerful companion, illustrating its capacity to power devices like hair dryers, juicers, projectors, and mini-fridges for extended periods.

11 OUTLETS TO SPARE

Multiple devices, one station

4×AC Outlets

1×100W USB-C

1×Car Outlet

1×Wireless Charging Pad

4×USB-A

The AC180P offers 11 outlets, including AC, USB-C, car outlet, and wireless charging, allowing multiple devices to be powered simultaneously.

BACKUP POWER

Ready for emergency

The AC180P provides reliable backup power, capable of supplying emergency power to essentials like fish tanks or mini-fridges during outages.

IDEAL FOR ADVENTURERS

Lightweight & Portable

Lightweight and portable, the AC180P is an ideal power source for camping, off-grid living, and other outdoor activities.

Detailed dimensions of the BLUETTI AC180P: 13.4 inches (L) x 9.7 inches (W) x 12.5 inches (H).

SETUP GUIDE

Unboxing and Initial Inspection

Upon receiving your BLUETTI AC180P, carefully open the packaging and inspect the unit for any signs of damage. Ensure all included accessories are present: the AC charging cable, car charging cable, solar charging cable, and user manual.

Charging the AC180P

Before first use, it is recommended to fully charge your AC180P. The unit supports multiple charging methods:

- **AC Wall Outlet:** Connect the provided AC charging cable to the AC180P and a standard wall outlet. The unit can achieve 0-80% charge in approximately 1 hour, with a maximum input of 1440W.
- **Solar Panels:** Connect compatible solar panels (up to 500W input) using the provided solar charging cable. The built-in MPPT controller optimizes solar charging efficiency. Full charge can be achieved in 3.4-3.8 hours under optimal sunlight conditions.
- **Car Charging:** Use the provided car charging cable to charge the AC180P from your vehicle's 12V/24V cigarette lighter port.
- **Generator:** The AC180P can also be charged using a compatible generator.

MULTIPLE CHARGING OPTIONS

For your choice

1440W AC Fast Charging

0-80% in 1 hour

| Socket | Generator | Solar Panel | Car Port |

The AC180P offers multiple charging options including AC wall outlet, generator, solar panel, and car port for maximum flexibility.

OPERATING INSTRUCTIONS

Powering On/Off

To power on the AC180P, press and hold the main power button until the display illuminates. To power off, press and hold the same button until the display turns off.

Using AC Outlets

The AC180P features four 1800W (2700W Power Lifting) AC outlets. To activate the AC outputs, press the 'AC' button on the control panel. Plug your devices into the AC outlets. Ensure the total power consumption of your devices does not exceed the unit's rated output.

Using DC and USB Outputs

The unit includes a 12V/10A DC output, one 100W USB-C port, and four USB-A ports (two 18W and two 15W). Press the 'DC' button to activate these outputs. Connect your compatible devices to the respective ports.

Wireless Charging

The AC180P is equipped with a wireless charging pad on top. Simply place your Qi-compatible device on the pad to begin wireless charging. Ensure the device is properly aligned for optimal charging.

BLUETTI App Connectivity

Download the BLUETTI App from your smartphone's app store to monitor and control your AC180P remotely via Bluetooth. The app allows you to check power input/output, battery percentage, and activate/deactivate AC/DC outputs. It also enables the Power Lifting mode for higher wattage devices.

MAINTENANCE

Cleaning

Regularly clean the exterior of the AC180P with a soft, dry cloth. Avoid using abrasive cleaners or solvents. Keep the ventilation openings clear of dust and debris to ensure proper airflow.

Storage

When storing the AC180P for extended periods, ensure it is charged to approximately 50-80% and stored in a cool, dry place away from direct sunlight and extreme temperatures. Recharge the unit every 3-6 months to maintain battery health.

TROUBLESHOOTING

Common Issues and Solutions

- **Unit Not Turning On:** Ensure the battery is not completely depleted. Connect to an AC power source to charge.
- **No Output from Ports:** Check if the respective AC or DC output buttons are activated. Ensure cables are securely connected. Verify device compatibility and power requirements.
- **Overload Protection:** If the unit shuts down due to overload, disconnect some devices and restart the unit. Ensure total wattage does not exceed the AC180P's capacity (1800W, or 2700W in Power Lifting mode).
- **Charging Issues:** Verify that charging cables are correctly connected and the power source is active. For solar charging, ensure panels are in direct sunlight and correctly oriented.
- **App Connectivity Problems:** Ensure Bluetooth is enabled on your smartphone and the AC180P is within

range. Restart the app or the power station if issues persist.

For more complex issues, refer to the detailed troubleshooting section in the full user manual or contact BLUETTI customer support.

TECHNICAL SPECIFICATIONS

Feature	Specification
Brand	BLUETTI
Model Name	AC180P
Battery Type	LiFePO4
Battery Capacity	1440Wh
AC Output	1800W (2700W Power Lifting)
Total Power Outlets	11
AC Input (Max)	1440W
Solar Input (Max)	500W
Voltage	120 Volts (AC)
Frequency	60 Hz
Item Weight	35.3 Pounds
Product Dimensions	13.4"L x 9.7"W x 12.5"H
Special Feature	Portable, UPS Functionality

WARRANTY AND SUPPORT

The BLUETTI AC180P Portable Power Station comes with a 5-year warranty, ensuring peace of mind regarding its quality and durability. This warranty covers defects in materials and workmanship under normal use.

For any questions, technical assistance, or warranty claims, please refer to the official BLUETTI website or your purchase documentation for detailed warranty information and customer support contacts. BLUETTI offers widespread sales and after-service networks to assist you.

Related Documents - AC180P

AC180P Portable Power Station User Manual _{Please read this manual carefully before use and keep it for future reference.} ▽BLUETTI	[BLUETTI AC180P Portable Power Station User Manual | Features, Specs, Operation](#) Comprehensive user manual for the BLUETTI AC180P portable power station. Learn about its features, specifications, charging, discharging, safety instructions, and troubleshooting.
AC180P Portable Power Station User Manual _{Please read this manual carefully before use and keep it for future reference.} ▽BLUETTI	[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.
AC180P Портативна електростанція Інструкція користувача _{Будь ласка, уважно прочитайте цю інструкцію перед використанням і збережіть її для подальшого вжитку.} https://bluettipower.com.ua/ ▽BLUETTI	[BLUETTI AC180P Portable Power Station: User Manual and Specifications](#) Comprehensive guide to the BLUETTI AC180P portable power station, covering specifications, operation, charging, LCD display, error codes, and app usage. Features 1800W output and 1440Wh LiFePO4 battery.
AC180 Portable Power Station User Manual _{Please Read This Manual Before Use And Follow Its Guidance. Keep This Manual For Future Reference.} ▽BLUETTI	[BLUETTI AC180 Portable Power Station User Manual](#) 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.
AC180 Portable Power Station User Manual _{Please read this manual carefully before use and keep it for future reference.} ▽BLUETTI	[BLUETTI AC180 Portable Power Station User Manual](#) Comprehensive user manual for the BLUETTI AC180 Portable Power Station. Covers setup, operation, safety guidelines, specifications, charging methods, discharging, troubleshooting, and app control for this 1800W LiFePO4 power station.

AC180P
Portable Power Station

User Manual
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[BLUETTI C180P Portable Power Station User Manual](#)

User manual for the BLUETTI C180P Portable Power Station, detailing specifications, operation, safety instructions, and troubleshooting for this 1800W/1440Wh LiFePO4 power station.