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› [BLUETTI](#) /

› [BLUETTI AC70 Solar Generator User Manual](#)

## BLUETTI AC70

# BLUETTI AC70 Solar Generator User Manual

Model: AC70

Brand: BLUETTI

## 1. INTRODUCTION AND OVERVIEW

The BLUETTI AC70 Solar Generator is a portable power station designed to provide reliable electricity for various applications, from outdoor adventures to emergency backup. Featuring a 768Wh LiFePO4 battery and a 1000W inverter with 2000W Power Lifting capability, it offers versatile power solutions for essential devices.



Figure 1.1: The BLUETTI AC70 Solar Generator, showcasing its compact design and intuitive display.

## 2. WHAT'S INCLUDED

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Upon unboxing your BLUETTI AC70, please verify that all the following components are present:

- BLUETTI AC70 Power Station
- AC Charging Cable
- Car Charging Cable
- Solar Charging Cable
- User Manual (this document)

## 3. SETUP

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### 3.1 Initial Charging

Before first use, it is recommended to fully charge the AC70. Connect the provided AC charging cable to the AC input port on the unit and then to a standard wall outlet. The unit supports fast charging, reaching 0-80% in approximately 45 minutes and 0-100% in 1.5 hours with a maximum 950W AC input.

# Fast Charging

0-80% in 45 min.

 950W Wall Outlet  950W Generator  500W Solar Panel  12V/24V Car Socket  500W Charger 1

 **950W** AC fast charging



\* Charger 1 sold separately.

Figure 3.1: AC70 connected to a wall outlet for rapid charging.

## 3.2 Solar Charging

For environmentally friendly charging, connect compatible solar panels (up to 500W) to the DC/PV input port using the provided solar charging cable. The AC70 can be fully charged via solar power in approximately 1.9-2.4 hours under ideal conditions.



# Go Solar. Go Longer.

## Be the solution, not the pollution.



0-100%  
in **2 Hours\***



Max. **500W**  
Solar Input



\* This is the best test result under ideal conditions.

Figure 3.2: Solar charging the AC70 in an outdoor setting.

### 3.3 Car Charging

The AC70 can also be charged on the go using your vehicle's 12V/24V car socket. Connect the provided car charging cable to the DC input port and your vehicle's cigarette lighter socket. Full charging time via car socket is approximately 3.2-7 hours.

## 4. OPERATING INSTRUCTIONS

### 4.1 Powering On/Off

To power on the AC70, 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 Using AC Outlets

The AC70 features two 1000W AC outlets (with 2000W Power Lifting capability). Press the 'AC' button to enable AC output. Plug your devices into the AC outlets. Ensure the total wattage of connected devices does not exceed the unit's rated output.



Figure 4.1: The AC70 providing power to various devices.

## 4.3 Using DC/USB Outlets

The unit provides various DC output options: two USB-C 100W ports, two USB-A 12W ports, and one 12V/10A car port. Press the 'DC' button to enable DC output. Connect your USB-powered devices or 12V appliances to

the respective ports.

#### **4.4 BLUETTI App Control**

Download the BLUETTI App to monitor the AC70's status, set charge/discharge modes, and update firmware directly from your smartphone via Bluetooth. This allows for convenient remote management of your power station.

#### **4.5 UPS Functionality**

The AC70 features an Uninterruptible Power Supply (UPS) function with a rapid 0.02-second switching time. This ensures that connected essential devices continue to receive power without interruption during a power outage.

#### **4.6 Power Lifting Mode**

The Power Lifting mode allows the AC70 to handle devices with higher starting wattage (up to 2000W peak) than its continuous 1000W output. This is particularly useful for appliances with motors or heating elements that require a brief surge of power to start.

### **5. MAINTENANCE**

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#### **5.1 Battery Care**

The AC70 utilizes a durable LiFePO4 battery, rated for over 3000 charge cycles to retain 80% capacity. To maximize battery lifespan, avoid consistently draining the battery to 0% or charging it to 100% if not immediately needed. Store the unit with approximately 50% charge if not in use for extended periods.



# Power-Packed LiFePO<sub>4</sub>

Reliable and durable to last 6x longer.\*



Figure 5.1: LiFePO<sub>4</sub> battery technology for extended lifespan.

## 5.2 Storage

Store the AC70 in a cool, dry place away from direct sunlight and extreme temperatures. Ensure the unit is clean and free of debris before storage. Recharge the unit every 3-6 months if stored for long periods to maintain battery health.

## 6. TROUBLESHOOTING

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### 6.1 Common Issues

- **Unit Not Turning On:** Ensure the battery is charged. If not, connect to an AC outlet for charging.

- **No Output from AC/DC Ports:** Verify that the respective AC or DC output buttons are pressed and illuminated. Check if the total load exceeds the unit's capacity.
- **Slow Charging:** Ensure the charging cable is fully inserted. For solar charging, verify panels are clean and positioned for optimal sunlight. Check app settings for charging mode (e.g., ensure Turbo mode is enabled for fastest AC charging).
- **Overload Protection:** If the unit shuts down unexpectedly, it may be due to an overload. Disconnect some devices and restart the unit.

For persistent issues not covered here, please refer to the support section or contact BLUETTI customer service.

## 7. SPECIFICATIONS

Specification	Details
Battery Capacity	768Wh (LiFePO4 Battery)
Rated Power Output	1000W (2000W Peak w/Power Lifting)
UPS Functionality	0.02s switchover time
AC Outlets	2 x 1000W AC outlets
Other Outputs	2 x USB-A (12W), 2 x USB-C (100W), 1 x 12V DC Carport
AC Charging Input	950W Max
Solar Charging Input	500W Max
Dimensions (L x W x H)	12.4"L x 8.2"W x 10.1"H
Weight	22.5 lbs
Battery Longevity	Over 3000 charge cycles to 80% capacity





Figure 7.1: Physical dimensions of the AC70.







## 8. WARRANTY

The BLUETTI AC70 Solar Generator comes with a 5-Year Coverage warranty. Please retain your proof of purchase for warranty claims. For detailed terms and conditions, refer to the official BLUETTI website or contact customer support.

## 9. SUPPORT

For any inquiries, technical assistance, or warranty support, please contact BLUETTI customer service. BLUETTI maintains widespread sales and after-service networks to assist you. Visit the official BLUETTI website for contact information and frequently asked questions.

*Note: No official product videos from the seller were available for embedding based on the provided data.*

<p>AC70 Portable Power Station</p> <p>User Manual</p> <p><small>Please Read This Manual and Safety Instructions Before Using the Product for the First Time. Please Read This Manual for Further Information.</small></p> 	<p><a href="#">BLUETTI AC70 Portable Power Station User Manual</a></p> <p>Comprehensive user manual for the BLUETTI AC70 portable power station. Learn about its features, safety instructions, charging methods, specifications, and troubleshooting tips for reliable off-grid power.</p>
<p>BLUETTI EB55</p> <p>User Manual</p> 	<p><a href="#">BLUETTI EB55 Portable Power Station User Manual</a></p> <p>User manual for the BLUETTI EB55 portable power station, featuring 537Wh LiFePO4 battery, 700W AC outlets, 100W Type-C, and solar generator capabilities for outdoor and emergency use.</p>
<p>AC70 Portable Power Station</p> <p>User Manual</p> <p><small>Please Read This Manual and Safety Instructions Before Using the Product for the First Time. Please Read This Manual for Further Information.</small></p> 	<p><a href="#">BLUETTI AC70 Portable Power Station User Manual</a></p> <p>Comprehensive user manual for the BLUETTI AC70 Portable Power Station, detailing its features, operation, safety instructions, specifications, and troubleshooting. Learn how to charge, discharge, and utilize various modes for optimal performance.</p>
<p>AC70 Portable Power Station</p> <p>User Manual</p> <p><small>Please Read This Manual and Safety Instructions Before Using the Product for the First Time. Please Read This Manual for Further Information.</small></p> 	<p><a href="#">BLUETTI AC70 Portable Power Station User Manual</a></p> <p>Comprehensive user manual for the BLUETTI AC70 Portable Power Station, detailing setup, operation, safety instructions, and specifications for reliable power on the go.</p>
<p>AC180 Portable Power Station</p> <p>User Manual</p> <p><small>Please Read This Manual and Safety Instructions Before Using the Product for the First Time. Please Read This Manual for Further Information.</small></p> 	<p><a href="#">BLUETTI AC180 Portable Power Station User Manual</a></p> <p>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.</p>
  <p>AC200MAX Portable Power Station</p> <p><small>Please Read This Manual and Safety Instructions Before Using the Product for the First Time. Please Read This Manual for Further Information.</small></p>	<p><a href="#">BLUETTI AC200MAX Portable Power Station User Manual</a></p> <p>Comprehensive user manual for the BLUETTI AC200MAX portable power station, detailing features, safety instructions, charging methods, technical specifications, and troubleshooting. Learn how to use its 2200W output, 100W USB-C, 900W solar input, and expandable battery capabilities.</p>