



TECHNOLOGY  
PIONEER  
IN CLEAN ENERGY



# BLUETTI AC50P

Smart Power, Max Runtime

504Wh | 700W



Contact Us

www.bluettipower.com

## Efficient, Portable, and Powerful

The BLUETTI AC50P power station is something you can flaunt at your camping group. It features 504Wh capacity and 700W high power output, ensuring you have ample energy to run essentials. The advanced AI-BMS intelligent optimizes energy consumption, maximizing runtime and efficiency.

Flexible to charge via solar panels or battery packs, you can enjoy continuous power without interruption. Lightweight and portable, the AC50P is your go-to power source during outdoor adventures or even emergencies.

## Get the Highlights

50 mins to 80%	BLUETOPUS AI-BMS AI-Powered Management	1,200W Lifting Power
3,000+ Life Cycles	Pass-Through Solar Charging	5 Years Warranty
6 Ways to Charge	Smart App Control	<0.02s UPS Auto-Switch



## Triple Tech for Extended Battery Life



**BLUETOPUS BMS:** This AI-powered battery management system optimizes energy utilization, ensuring sustained power throughout your journey.



**Daytime Solar:** Recharge during the day with solar panels, allowing you to power your devices while simultaneously replenishing the battery.



**Nighttime Extension:** Pair with the B80P expansion battery at night for an additional 806Wh of power, giving you peace of mind and extended usage even after the sun sets.

\* Solar panels and B80P expansion battery are sold separately.



## High Power in Small Package

As compact as a small toolbox, the AC50P packs a punch with a 700W rated power, 200W higher than its competitors, powering a wider range of devices. In Power Lifting mode, it can even handle pure resistant loads up to 1,200W, such as kettles.



## Recharge Smarter, Faster, and Safer

With Turbo Charging, the AC50P can charge to 80% in just 50 minutes and fully charge in 80 minutes. When you enjoy a meal or pack your gear, your device will be ready to go in no time.

Plus, the integrated AI-BMS constantly manages the charging and discharging status for an optimized charging process and maximized battery longevity.

⚡ 80% (50 mins)      ⚡ 100% (80 mins)



## Ultimate Safety with LiFePO<sub>4</sub> Battery

The AC50P incorporates reliable LiFePO<sub>4</sub> battery cells known for their enhanced safety, extended lifespan, superior thermal stability, non-flammability at high temperatures, and reliability in cold environments.



## Multiple Charging Methods for Any Scenario

### AC Charging



80% in **50** minutes,  
Full charge in **80** minutes



### Solar Charging



Full charge in about  
**3** hours



### Car Charging



**5-7** hours (12V Port)  
**3-4** hours (24V Port)



### Generator Charging



Full charge in about  
**1.2** hours



### B80P Expansion Battery Charging



Full charge in about  
**3.5** hours



## Emergency Backup Power in 0.02s

The AC50P is a reliable emergency backup power source with its responsive UPS function. During a power outage, it seamlessly switches in just 0.02 seconds, ensuring uninterrupted operation for work and daily life.



Keeping  
Critical Loads  
Uninterrupted



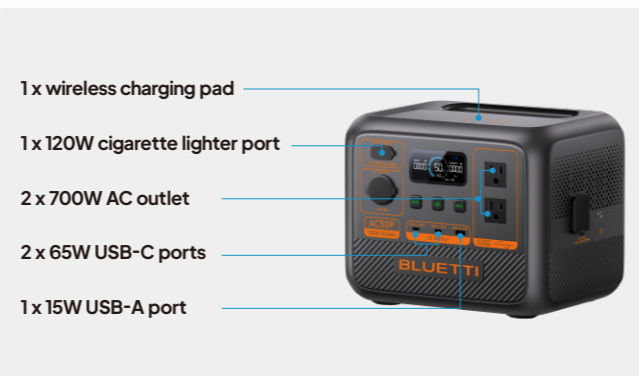
Safeguarding  
Important  
Data



Seamless  
Entertainment  
Experience

## Power Up to 6 Devices, All at Once

The AC50P isn't just a power station; it's your personal energy hub. With an array of outlets, including 2 x 700W AC outlet, 2 x 65W USB-C ports, 1 x 15W USB-A port, 1 x 120W cigarette lighter port, and 1 x wireless charging pad, it ensures your off-grid life never misses a beat.



Global Available Socket



## Versatile for Various Scenarios

### Camping



Camera  
(60Wh)  
**5 Times**



Drone  
(40Wh)  
**6 Times**



Projector  
(100W)  
**3.5 H**



Coffee Maker  
(700W)  
**7 Cups**

### RV



Portable Fridge  
(110W)  
**3.2 H**



Laptop  
(70Wh)  
**4 Times**



Space Heater  
(350W)  
**1.1 H**



Electric Blanket  
(150W)  
**2.7 H**

### Home



Rice Cooker  
(700W)  
**0.5 H**



TV  
(60W)  
**5 H**



Fan  
(90W)  
**3.7 H**



WiFi Router  
(10W)  
**22 H**

## Specifications

### General

Battery Capacity	504Wh
Cell Type	Lithium Iron Phosphate (LFP)
AC + DC Input	600W Max.
Net Weight	6.9kg / 15.2lbs
Dimensions (L x W x H)	280mm x 200mm x 220mm / 11in x 7.9in x 8.7in
Charging Temperature	0°C to 40°C / 32°F to 104°F
Discharging Temperature	-20°C to 40°C / -4°F to 104°F
Storage Temperature	-20°C to 40°C / -4°F to 104°F

### AC Output

Power	700W
Voltage	120VAC
Current	5.8A
Frequency	50Hz / 60Hz

### DC Output

Cigarette Lighter Port x 1	12V / 10A
USB-A x 1	5V / 3A
USB-C x 2	5 / 9 / 12 / 15 / 20V, 3A; 20V / 3.2A
Wireless Charging Pad x 1	15W Max.

### AC Input

Voltage	120VAC
Max. Current	8A
Frequency	50Hz / 60Hz
UPS	Switching time ≤20ms

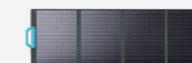
### Charging Power

Charging Power	600W Max.
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### DC Input

Power	200W Max.
Current	8.5A Max.
Voltage	12V to 28V

## BLUETTI Solar Panel Recommendations



**PV120 x 1**  
Charging Time: 4.7 Hours



**PV200 x 1**  
Charging Time: 3 Hours