BLUETTI AC50P

Smart Power, Max Runtime

504Wh | 700W

Contact Us

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 man... system optimizes energy utilization, ensuring su... power throughout your journey.

Daytime Solar: Recharge during the day with sol... allowing you to power your devices while simultaneously replenishing the battery.

Nighttime Extension: Pair with the B80P expans... battery at night for an additional 806Wh of pow... you peace of mind and extended usage even af... sun sets.

* Solar panels and B80P expansion battery are sold s...

High Power in Small Package

As compact as a small toolbox, the AC50P packs a punch... 700W rated power, 200W higher than its competitors, po... wider range of devices. In Power Lifting mode, it can even... 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 LiFePO₄ Battery

...P incorporates reliable LiFePO4 battery cells known for ...nced safety, extended lifespan, superior thermal ...on-flammability at high temperatures, and reliability in ...onments.

3,000+ Cycles   **-20°C to 40°C** Operating Temperature   **10-Year** Lifespan

❄ -20°C   40°C ☀

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
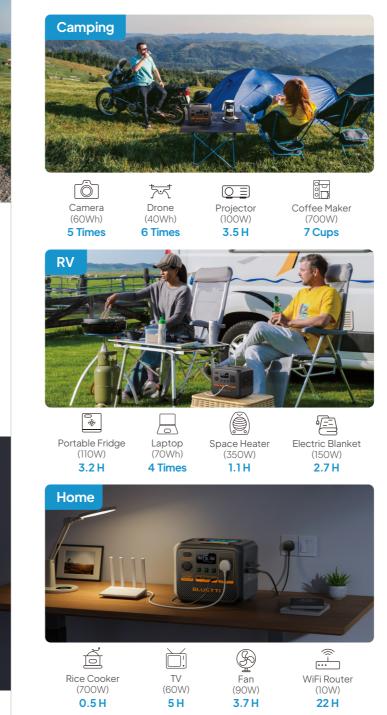
Seamless Entertainment Experience

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 1 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.

1 x wireless charging pad

1 x 120W cigarette lighter port

1 x 700W AC outlet

2 x 65W USB-C ports

1 x 15W USB-A port

Global Available Socket
US / JP EU UK AU SA CN BR

Versatile for Various Scenarios

Camping

Camera (60Wh)	Drone (40Wh)	Projector (100W)	Coffee Maker (700W)
5 Times	**6 Times**	**3.5 H**	**7 Cups**

RV

Portable Fridge (110W)	Laptop (70Wh)	Space Heater (350W)	Electric Blanket (150W)
3.2 H	**4 Times**	**1.1 H**	**2.7 H**

Home

Rice Cooker (700W)	TV (60W)	Fan (90W)	WiFi Router (10W)
0.5 H	**5 H**	**3.7 H**	**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 × W × H)	280mm × 200mm × 220mm / 11in × 7.9in × 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	230VAC
Current	3.0A
Frequency	50Hz / 60Hz

DC Output

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

AC Input

Voltage	230VAC
...ent	4.3A
...y	50Hz / 60Hz
	Switching time ≤20ms
...Power	600W Max.

...ut

	200W Max.
	8.5A Max.
	12V to 28V

BLUETTI Solar Panel Recommendations

PV120 x 1	PV200 x 1
Charging Time: 4.7 Hours	Charging Time: 3 Hours