BLUETTI AC50P

Premium Series

Smart Power, Max Runtime

504Wh | 700W

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.

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

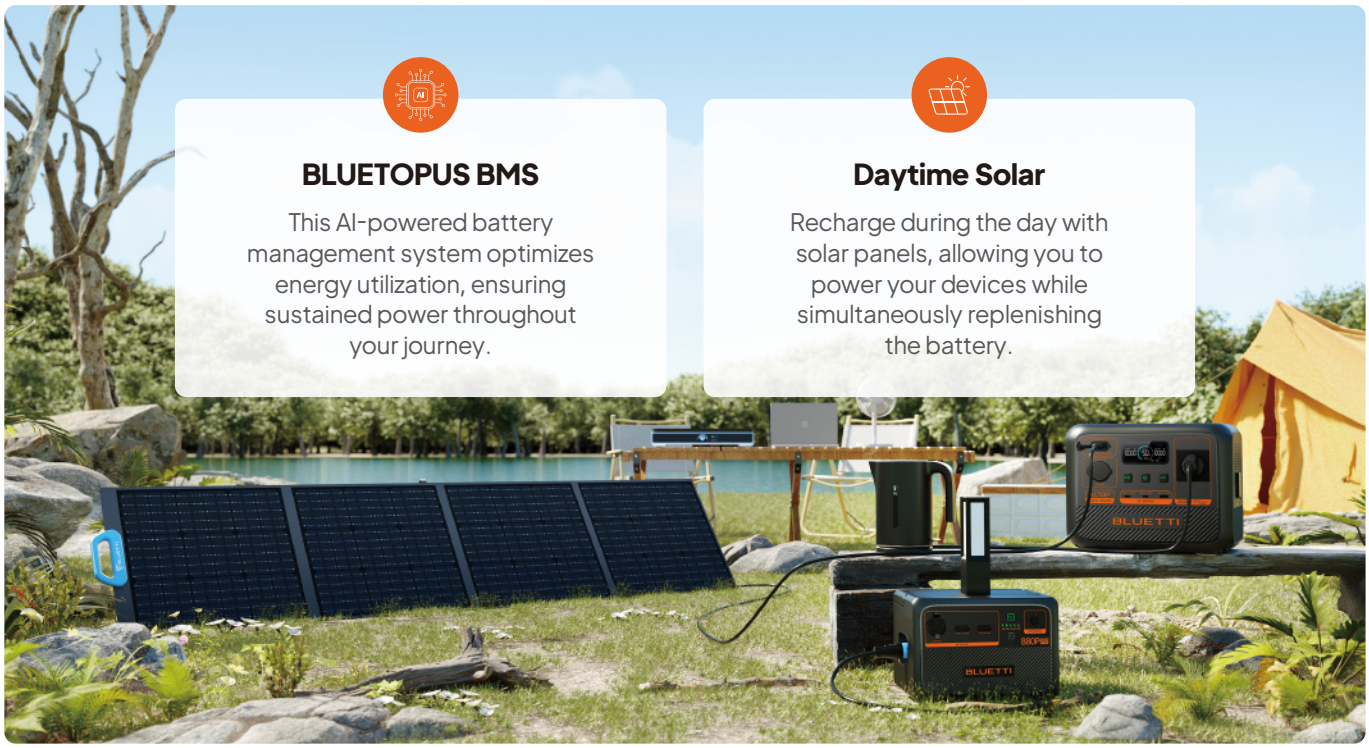
1 x 15W USB-A port

Global Available Socket

US / JP | EU | UK | AU | SA | CN | BR

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



* 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.

Ultimate Safety with LiFePO₄ Battery

The AC50P incorporates reliable $LiFePO_4$ battery cells known for their enhanced safety, extended lifespan, superior thermal stability, non-flammability at high temperatures, and reliability in cold environments.

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

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.

Multiple Charging Methods for Any Scenario

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

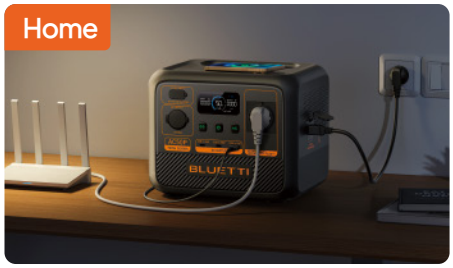
Solar Charging
Full charge in about **3** hours

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

Versatile for Various Scenarios



Drone (40Wh)	Coffee Maker (700W)	Portable Fridge (110W)	Laptop (70Wh)	Electric Blanket (150W)	TV (60W)	Fan (90W)	WiFi Router (10W)
6 Times	**7 Cups**	**3.2 H**	**4 Times**	**2.7 H**	**5 H**	**3.7 H**	**22 H**

Car Charging Cable

AC Charging Cable

Solar Charging Cable

Grounding Screws

User Manual

Warranty Card

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)	280 × 200 × 220mm / 11 × 7.9 × 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

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.

BLUETTI Solar Panel Recommendations

BLUETTI 120W Solar Panel x 1	4.7 Hours
BLUETTI 200W Solar Panel x 1	3 Hours

AC Output

Power	700W
Voltage	230VAC
Current	3.0A
Frequency	50Hz / 60Hz

AC Input

Voltage	230VAC
Max. Current	4.3A
Frequency	50Hz / 60Hz
UPS	Switching time ≤20ms
Charging Power	600W Max.

DC Input

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

Contact Us