



EcoSONIC Hybrid Solar IPS

Model: AP-500 | 500W / 537.6Wh | LiFePO4 Battery



Included Items

5W LED Light

2



USB Cable



AC Charger



Product Overview

The EcoSONIC AP-500 is a 500W / 537.6Wh portable power station built with a brand-new A-Class LiFePO4 battery, offering 5000+ recharge cycles for long-term reliability. With 10 total output ports across AC, DC, and USB, it powers up to 10 devices simultaneously, ideal for outdoor camping, emergency lighting, and home backup power.

Energy storage system

500W

LiFePO4 Battery



Key Features

- 537.6Wh high-capacity LiFePO4 battery brand-new A-Class cells with 5000+ cycle life
- 500W pure sine wave AC output efficient, stable, and safe for sensitive electronics
- 10 total output ports AC, DC, and USB, all independently managed
- Two flexible charging methods AC adapter (14.6V, up to 200W) or solar panel (18V, up to 200W)
- Compact, ABS Plastic housing with reinforced top carry handle and side cooling vents
- Real-time LCD display showing voltage, battery level, and port status

Technical Specifications AP-500 (500W / 537.6Wh)

Brand	EcoSONIC
Model	AP-500
Product Name	Hybrid Solar IPS
Battery Chemistry	LiFePO4 (Brand New A-Class Cells)
Battery Voltage / Capacity	12.8V / 42Ah
Energy Capacity	537.6Wh
Rated Inverter Output	2 x AC 220V, 500W Total (Pure Sine Wave)
Battery Cycle Life	5000+ Recharge Cycles (LiFePO4)
AC Output Ports	2 x AC 220V / 500W
USB-A Ports Support	3 x 5V/3A
USB-C Port Support	1 x 5V/3A
DC Output Ports	4 x 12V/5A
Adapter Charging Input	14.6V, Max 200W
Solar Charging Input	18V, Max 200W
Display	LCD Screen Voltage, Battery Level, USB/AC/DC Status Icons
Product Dimensions	23.7 x 16.5 x 22 cm
weight with box	5.5KG

Included Items

Solar	18V 120W Solar Panel x 1
Light	5W LED Light x 2
Charger	AC Charger x 1
Multi support USB cable	5-in-1 USB Cable x 1

Device Support Reference (537.6Wh Full Charge)

Load Combination	Wattage	Backup Time
1 Fan + 2 LED Lights + Router	~90W	~6 hours
1 Fan + 4 LED Lights + Mobile Charging	~120W	~4 hours 30 minutes
TV + Fan + Light + Router + Laptop	~220W	~2 hours 30 minutes