

EP500Pro

The Ultimate Backup Power Solution



5,120Wh Capacity
51.2V / 100Ah



Full Charge in
1.7 Hours



3,000W Output
6,000W Surge



3,500+
Life Cycles



- ✓ 5,120Wh LiFePO4 Battery 3,000W AC Pure Sine Wave Output 3,500+ Cycles to 80% of Original Capacity
- ✓ App Remote Control
- ✓ Advanced Battery Management System

UPS Mode

Grid in Service

The EP500Pro charges from the grid and keeps its battery fully charged, while the loads receive electricity directly from the grid by bypassing the EP500Pro's inverter.



Power Outage

When the grid power fails, the EP500Pro acts as a reliable backup, swiftly providing emergency power to the connected loads.



Power All Your Essential Needs

Battery 5,120Wh LiFePO4 for Extended Device Usage

Refridge
150W
2-3 Day

Electric Blanket
100W
30Hrs

Hairdryer
800W
5-6 Hours

Microwave Oven
1000W
4 Hours

Coffee Maker
1000W
4 Hours

Laptop
49Wh
80 Hours

Power Perfected: Powerful in Every Aspect.



Dimensions
(L x W x H):
580 x 300 x 760 mm
22.8 x 11.8 x 29.9 in

Weight:
83 kg / 183 lbs

Extraordinary Performance

3,500⁺ Life Cycles

3000W Output

5120 Capacity

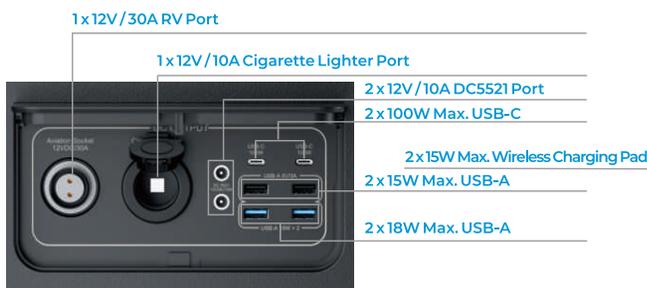
6000W Surge

Key Features

- 2,400W Max. Solar Input (Built-in MPPT)
- Seamless UPS (≤ 20 ms)
- Intelligent BMS System
- Peak-load-shifting
- App Control (WiFi / Bluetooth)

Versatile Connectivity

15 ports for every need.



General

Overload Protection 3100W < load < 3750W, 2min
3750W < load < 4500W, 5s
4500W < load < 6000W, 500ms

Battery Capacity 5120Wh (100Ah)

Net Weight 83 kg / 183 lbs

Battery Type LiFePO₄

Charging Temperature 0 °C ~ 40 °C

Discharging Temperature -20 °C ~ 40 °C

Storage Temperature -20 °C ~ 40 °C

Working Humidity 10% ~ 90 %

Certifications UN38.3, SRRC, FCC, UL, PSE
TELEC, NTC, CE, RCM, LOA, ICASA

Input

AC 3000W Max, 207-253VAC

Solar Total: 2,400W Max., 12V-150VDC
(2 strings) 12Ax2

Output

AC Outlet *3 3000W in Total

USB-A *2 15W Max

USB-A QC3.0 *2 18W Max

USB-C *2 100W Max

Cigarette Lighter Port 12V/10A

RV Port 12V/30A

DC5521 Port *2 12V/10A

Wireless Charging *2 15W Max.

Enhanced Mobility

Universal wheels for effortless movement.

5,400W Input Rate

By combining the AC and solar input, you can easily refill the EP500Pro in just 1.7 hours.



EP500Pro

*Actual charging time depends on the weather, sunlight intensity, and the angle of solar panels.

