

500W Portable Power Station with Multiple Outputs

This portable power station is a multifunctional inverter with both AC power input and output capabilities. It utilizes a centralized control system and surface-mount technology for enhanced stability, reliability, and a wide range of applications.



Overview

Versatile Energy Solution

This 500W portable power station is a multifunctional inverter designed for both on-grid and off-grid applications. Utilizing advanced LiFePO4 battery technology, it offers high stability and a cycle life seven times longer than ordinary batteries. It serves as a reliable micro-grid solution for home backup, outdoor camping, and professional construction sites.

Core Performance

Key Performance Metrics

500 W

Rated Power

15 A

Max Output Current

230 V

AC Voltage

Battery Technology

Battery Benefits

- Long cycle life (7x ordinary batteries)
- High capacity with low consumption
- Enhanced safety and stability
- Decades of potential service life

Battery Chemistry

LiFePO4 (Lithium Iron Phosphate)

Output & Connectivity

Input Compatibility

- Solar Power
- Wind Power
- AC Power Input
- Car Cigarette Lighter

Available Power Outputs

AC Outlets, USB Ports, DC Output, Car Cigarette Lighter Port

Operational Modes

Selectable Working Modes

Solo Mode • UPS • EPS • Intelligent Automatic

Safety & Protection

Integrated Protections

- Overload Protection
- Output Short-circuit Protection
- Input Under-voltage Protection
- Input Overvoltage Protection
- Overheat Protection

Physical Design

Portability Features

Top Handle, Compact Size, Lightweight, Rugged Enclosure

Technical Characteristics

Technical Traits

Feature	Specification
Waveform	Sine Wave Output
Control System	Single Chip Centralized Control
Manufacturing	SMT (Surface Mount Technology)
Noise Level	Low Work Noise
Conversion Rate	High