

ATZ

PORTABLE ENERGY STORAGE SYSTEM

The ATZ series stands out as a reliable portable power station, perfect for a variety of applications including outdoor adventures, emergency home backup power, and more. Featuring multiple AC and DC output interfaces, the ATZ series delivers impressive power, reaching up to 3600W and peaking at 5400W. Its dual-wheel handle design ensures convenient travel. With ultra-fast charging and various charging methods, it caters to the evolving energy needs of modern lifestyles.

Say goodbye to energy anxiety. The device, equipped with a large-capacity lithium battery expandable up to 4096Wh, provides reliable power to meet your needs. Let the ATZ series empower you to enjoy your own lifestyle.



Features

- Rated AC output power: 3600W, Peak output power: 5400W
- Versatile Applications: RV camping, Aerial photography, Outdoor operations, Home backup power, etc
- Multiple Charging Methods: Solar, Car charging, Diesel generator
- Superfast Charging: Fully charged in 1.2 hours⁽¹⁾
- Expandable Capacity: 2048Wh lithium battery, Expandable to 4096Wh (without external connection)
- Durable: Energy storage lithium battery core with BMS management, over 3000 cycles⁽²⁾
- Portable: LED ambient lighting, Dual-wheel handle design
- Intelligent Management: WiFi & Bluetooth for monitoring, Wireless remote for long-distance control
- Energy-efficient and Low Noise: Energy-saving mode, Silent charging mode(Min. Noise: 30dB)
- Diverse Output Ports:
 - AC Output: 4 x AC 230V (EU Schuko)⁽³⁾
 - DC Output: 2 x 12VDC/10A Car charging ports
 - USB Ports:
 - 4 x USB-A: 5V, up to 3A each
 - 4 x USB-C: Including 2 PD (Power Delivery) 100W ports

(1)Main battery pack fully charges in 1.2 hours with AC and maximum PV charging
 (2)DOD 70% (discharge at 0.5C, charge at 1C) @25°C
 (3)Maximum continuous power of 3600W and a peak power of 5400W

Technical Specifications

Product model	ATZ3600EU
AC input	
Rated AC input voltage	230VAC
AC voltage range	200VAC to 240VAC
Breakdown voltage	290VAC
AC input frequency	50Hz/60Hz
Rated AC input power	2300W
Overload protection relay	Yes
DC input	
Maximum withstand voltage at PV input terminal	60VDC
PV controller type	MPPT
MPPT maximum efficiency	≥99.5%
MPPT voltage range	11VDC ~ 60VDC
Number of MPPTs	1
Maximum PV charging current	20A
Maximum DC input power	1200W
Car charging	12VDC/10A
AC output	
Rated output power (@25°C)	3600W (2300W in bypass mode)
3-second transient surge output power	5400W
Output voltage level	230VAC±3%
Output frequency level	It is 50 Hz in default, can be set to 60 Hz, error ± 0.2%
Output voltage waveform	Pure sine wave
Output voltage harmonic distortion	≤3% (pure resistive load)
DC output	
USB-A output	5VDC/3A*2
USB-C output	5VDC/3A
USB-C PD output	PD 100W * 2
Cigarette lighter output	12VDC/10A*2
Battery	
Battery type	Lithium iron phosphate
Rated voltage	51.2VDC
Range of operating voltage	40.0VDC to 58.4VDC
Range of operating temperature	Discharging: -20°C to 50°C; Charging: 0°C to 50°C
Nominal capacity	2048Wh
Charging time	
AC charging	Main battery pack: 1.2 hours
Car charging	Main battery pack: 17 hours
Solar charging(1200W input power)	Main battery pack: 1.7 hours
AC charging plus maximum PV charging	Main battery pack: 1.2 hours
Others	
Charging environment temperature	0°C to 40°C
Discharging environment temperature	-20°C to 40°C (derating is required for use at greater than 35°C)
Recommended working environment temperature	20°C to 35°C
Storage environment temperature	1 month: -10°C to 50°C; 3 months: -10°C to 45°C; 6 months: -10°C to 30°C
Relative humidity	< 80%
Altitude	< 4000 meters (derating is required for operation at greater than 2000m)
Protection degree	IP20
Communication mode	Bluetooth
Man-machine interface	Monochrome LCD, English interface
External dimensions (length x width x height)	456x290x391mm (without secondary battery pack) 456x290x537mm (with secondary battery pack)
Net weight	29.0kg (without secondary battery pack) 44.5Kg (with secondary battery pack)

