



Areswatt New Energy

AW-PPS-3600



Smart High-Capacity Outdoor Energy Storage Portable Power Station

Product features



Smart Applications

MPPT, AC coupling, peak shaving, smart charging, etc., can be used for balcony energy storage and as a portable power source for outdoor environments.



Highly Expandable

Up to 5 AW-BAT batteries can be added, increasing the maximum system capacity to 18 kWh.



Flexible Design

Integrated 800W MPPT PV input, 3600W bidirectional AC/DC conversion and 3.6 kWh LFP battery. Safe and with long service life.



Stable and Reliable

Supports UPS fast switching in less than 10ms, ensuring stable and reliable power supply.



AW-PPS-3600

General Information

Net Weight(kg)	Approximately 44.45kg
Dimensions (L x W x H)	590 x 350 x 441 mm (23,2 x 13,8 x 17,5 inch.)
Capacity	3600Wh
Wi-Fi	requency range: 2412-2462 MHz Maximum output power: 0.05862W
Bluetooth	Frequency range: 2402-2480 MHz Maximum output power: 0.0006W
Output Ports	
AC Outputs (x4)	Pure sine wave, 3000W total, 3x 20A + 1x 30A, 100-120V~ (50Hz/60Hz)
USB-A (x1)	12W Max
USB-A w/ Fast Charging (x3)	18W max. per port, total 54W
USB-C (x2)	100W max. per port, total 200W
Car Charger	12V=10A, 120W max.
DC5521 Output (x2)	12V=3A, 36W
Anderson Output	12,6V 30A, 378W max.
Input Ports	
AC Charging	Fast charging: 1800W, Slow charging: 1200W
AC Input Voltage	100-120V~ 15A
Solar Charger	11-150V = 15A max., 1600W max.
Car Charger	12V/24V = 8A max, 192W max.
Battery Information	
Cell Chemistry	LFP (Lithium Iron Phosphate)
Cycle Life	3,500 cycles to 80%+ capacity
Protection Types	Overvoltage Protection, Overload Protection, Overheating Protection, Short-circuit Protection, Low Temperature Protection, Low Voltage Protection, Overcurrent Protection
Operating Temperature	
Ideal Operating Temperature	20°C~30°C (68°F~86°F)
Discharge Temperature	-10°C~45°C (14°F~113°F)
Charging Temperature	0°C~45°C (32°F~113°F)
Storage Temperature	-10°C~45°C (14°F~113°F)
Accessories (Sold Separately)	
Lithium Battery Charging Pack	Up to fifteen units, Total capacity of 16 * 3.6 kWh = 57.6 kWh, Power pack sold separately
Solar Panel	Supports solar charging, 11-150V 15A max., 1600W max., Sold separately



Technical Support

For more information about operating environment, technical parameters and customized solutions, please consult our technical specialists.