

Stackbale ALL-IN-ONE System (Against Wall)



Features

- Intelligent and Integration**
 Solar inverter, MPPT, and battery are integrated in one set.
- Modulization and Free Combination**
 5kWh storage capacity per battery module, expandable up to 3 batteries. Users can expand the number of batteries according to their needs.
- Easy Installation**
 Wireless connection between each battery, communication protocol automatically match, movable with pulley at the bottom, users just plug and play.
- High Quality**
 Grade-A genuine battery cells from Chinese TOP5 brand; Self-developed automotive-class BMS.
- High Cycle Life**
 6,000 cycle times; 15-year design life; 2-year Inverter Warranty; 10-year Battery Warranty.



Product Parameters

Model	SUNIZE WSA 6KW-51.2V100AH	SUNIZE WSA 6KW-51.2V200AH	SUNIZE WSA 6KW-51.2V300AH	
System Performance	Nominal Output Power	6000W		
	Inverter			
	Rated Power	6000VA/6000W		
	AC Voltage	230VAC		
	Voltage Range	170~280VAC (For Personal Computers) ; 90~280VAC (For Home Appliances)		
	Phase	Single-phase		
	Frequency Range	50Hz / 60Hz (Self-adapting)		
	Surge Power	12000VA		
	Battery			
	Nominal Voltage	51.2V		
	Rated Capacity	100Ah	200Ah	300Ah
	MAX Charging/Discharging Current	100A	200A	300A
	Rated Capacity	5.12kWh	10.24kWh	15.36kWh
	Battery Chemistry	LiFePO4		
Dimensions (W*D*H)	235*480*1151.2mm	235*480*1612.4mm	235*480*2073.6mm	
Net Weight	Approx. 52kg	Approx. 93kg	Approx. 134kg	
IP Protection	IP20 (Inverter)			
Warranty	2 Year Inverter Warranty ; 10 Year Battery Warranty			
Technical Specification	Voltage Regulation (Battery Mode)	230VAC ± 5%		
	Efficiency (Peak)	93.50%		
	Transfer Time	10ms (For Personal Computers) ; 20ms (For Home Appliances)		
	MAX PV Array Open Voltage	500VDC		
	MAX PV Array Power	6000W		
	MPPT Input Voltage Range	60~450VDC		
	MAX Input Current	27A		
	MPPT Tracker / Strings	1		
	MAX Solar Charge Current	120A		
	MAX AC Charge Current	100A		
	MAX Charge Current	120A		
Protection	AC Overcurrent	Yes		
	AC Overvoltage	Yes		
	Overtemperatur Protection	Yes		
	Smart Load Management	Yes		
	On Grid	Yes		
	Parallel Function	Yes (Optional)		
General Parameters	Interface	RS485 / RS232 / CAN (Optional: WiFi / Bluetooth)		
	Display	Touch Bottoms		
	Operation Temperature	0℃~50℃		
	Relative Humidity	0%~95% (Non-condensing)		
	Altitude	(Derating occurs when >2000m)		
	Safety Standard	EN/IEC 62109-1, EN/IEC 62109-2		
	Charging/Discharging Temperature Range	Charging: 0℃~50℃ ; Discharging: -15℃~60℃		
	Cycle Life	≥6000 Times @ DoD > 80%		