

ALL-IN-ONE 0.5KW~2KW Inverter +0.66Kwh~4.8Kwh Battery

Features

- With constant voltage output to realize higher output voltage accuracy.
- The built-in BMS module can automatically recognize and match the battery.
- Photovoltaic power generation and energy storage integrated system.
- Equipped with pulleys and handles for easy movement and installation.
- PWM / MPPT solar controller are optional.
- Pure sine wave output, has strong bearing capacity to protect multiple output over power.
- Support adjusting the proportion of PV, AC and battery input when powering the load or charging the battery.
- The conformal coating is available to protect the circuit board from the erosion of the harsh environment, thereby improving and extending the service life of the machine and ensuring the safety and reliability of use.



Suitable for home power supply power supply, which is better used in environments far away from cities. It can be used for daily lighting, entertainment and life of ordinary families.

Product Parameters

Model	SIA0512-55P	SIA1012-100P	SIA1524-100M	SIA2024-100M	SIA2024-200M	
Inverter	Rated Power	500W	1000W	1500W	2000W	2000W
	Output Voltage	220VAC (Standard) / 110VAC (Customized)				
	Output Frequency	50Hz / 60Hz				
	Output Waveform	Pure Sine Wave				
Solar Charger & AC Charger	Rated Voltage	220VAC (Standard) / 110VAC (Customized)				
	Charging Current	6A (6-10A Adjustable)	12A (10-20A Adjustable)	15A (12-15A Adjustable)	20A (15-30A Adjustable)	
	Efficiency	>85%			>97%	
	Charging Method	PWM			MPPT	
	MAX PV Voltage	25V			145V	
	Rated Charging Voltage	13.7V			27.4V	
	Rated Charging Current	5~10A		30A	60A	
	MAX Power	360Wp		800Wp	1600Wp	
	Overcharge Protection Voltage	14.2VDC			28.4VDC	
	Float Charging Voltage	13.7V			27.4V	
DC Output	High Voltage Protection Voltage	16VDC			32VDC	
	High Voltage Recovery Voltage	15.2VDC			30.4VDC	
	Low Voltage Recovery Voltage	13VDC			26VDC	
	Low Voltage Protection Voltage	11VDC			22VDC	
	5VDC USB Output Port	2 Units (MAX 2A)				
	12VDC Output Port	2 DC Ports (MAX 2A)				
Battery	Battery Type	Gel / Lead-acid / LiFePO4				
	Battery Voltage	12V			24V	
	Battery Specification	55AH/12V	100AH/12V	100AH/12V*2		200AH/12V*2
General Parameter	Warranty	1 Year (LiFePO4 Battery: 3~5 Years)				
	Operating Temperature	0°C~40°C				
	Storage Temperature	-25°C~55°C (LiFePO4 Battery: -10°C~50°C)				
	Operating Humidity	0%~90% RH (Non-condensing)				
	Dimensions (W*D*H)	260*423*453mm 370*520*620mm (Packaged)	380*430*534mm 480*545*620mm (Packaged)			515*555*540mm 600*640*695mm (Packaged)
	Standards	EN-IEC 60335-1, EN-IEC 60335-2-29, IEC 62109-1, EN/IEC62133				