

SPE SERIES

Pure Sine Wave
Inverter/Charger

SPE series are combined with MPPT solar charger, AC charger, auto transfer switch and inverter unit for renewable energy systems. With the internal power management, SPE becomes the most intelligent solar inverter. Both solar charger and AC charger can work together to give the battery a best charging solution.



FEATURES

- **CHARGING PRIORITY**
SPE inverter supports manual selecting charging source priority between utility AC power and solar power.
- **STACKABLE**
SPE5000 allows stackable use by paralleling. Users will get MAX. 24KW output power. By paralleling three unit(at least) inverter system can also output 3-phase power for industrial application.
- **ADJUSTABLE SETTING**
Charge current, working mode and various inverter setting can be adjustable based on the various requirements which provide large convenience for different application.

APPLICATIONS



RV Solar

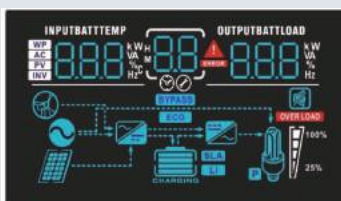


Mobilehouse Solar



Off Grid Solar

MONITOR SCREEN



PROTECTION

- Input/Output over current
- AC input over/low voltage
- Battery over/low voltage
- Output overload
- Short circuit
- Over temperature

POWER RANGE

800 W

2400 W

4000 W

	SPE1000	SPE3000	SPE5000
Rated power	800 W	2400 W	4000 W
Continuous power	800 W	2400 W	4000 W
Peak power	1600 W	4800 W	8000 W
BATTERY			
Rated voltage	24VDC (21~32VDC)	48VDC (42~64VDC)	48VDC (42~64VDC)
AC Charge current	Max. 20A	Max. 30A	Max. 60A
Battery type	Gel, Lead acid, AGM		
AC INPUT			
Voltage range	170~275VAC	170~275VAC	170~275VAC
Frequency	57-65Hz (± 0.3Hz)	57-65Hz (± 0.3Hz)	57-65Hz (± 0.3Hz)
AC Output			
Voltage range	230VAC±2%	230VAC±2%	230VAC±2%
Frequency	50Hz±0.3Hz	50Hz±0.3Hz	50Hz±0.3Hz
Output waveform	pure sine wave	pure sine wave	pure sine wave
Switch time	<10ms	<10ms	<10ms
Efficiency	>90%	>90%	>90%
Overload capacity	102~110% 5 mins alarm then output off 110~125% 10 sec alarm then output off >125% 5 sec alarm then output off		
Max. Bypass power	1000W	2880W	4800W
Protection	battery low/over voltage, overload, over temperature, short-circuit protection		
MPPT SOLAR CHARGE			
PV input voltage	30~75VDC	60~75VDC	60~145VDC
Max. PV power	600W	900W	3000W
Max. charge current	30A	18A	60A
MPPT efficiency	>99%	>99%	>99%
Charge voltage	20.0~30.0V	40.0~60.0V	40.0~60.0V
GENERAL			
Working temperature	-15~55°C	-15~55°C	-15~55°C
Storage temperature	-25~60°C	-25~60°C	-25~60°C
Working/ Storage environment	0-90% no condensation		
Dimension (W*D*H)	128*272*355 mm	128*272*355 mm	128*272*355 mm
Communication	USB/RS485(Bluetooth/WiFi/GPRS)/Dry node control		