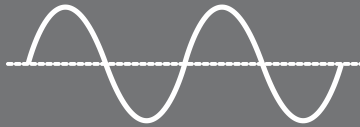


Reliable power supply solution  
For energy storage and off grid solar system



SPE series is inverter combined with solar charge controller and ac charger., it's professional solution for off grid solar system. With the pure sine wave output, no matter coffee machine, microwave, TV, satellite, printer or other equipment, SPE sp;ar inverter charger gives perfect performance of running loads from household appliances to office devices.

This multi-function inverter, combining functions of inverter, battery charger and auto transfer switch to offer uninterruptible power support with portable size. Its comprehensive LCD display offers user-configurable and easy-accessible button operation such as battery charging current, acceptable input voltage based on different applications.

**Product Features**

- Stack parallel and three phase support with up to 6 units (Available for 4KVA/5KVA only)
- Pure sine wave output for sensitive and motor loads
- Built-in PWM 50A solar or MPPT 60A solar charger
- Smart LCD setting (Working modes, Charge Current, Charge Voltage, etc.)
- Auto switch between Utility AC and Battery with minimum 10 millisecond as UPS
- Programmable AC Under-Voltage(90~280VAC) shutdown to operate under weak shore power
- Gen starter gives boost signal to start backup generator for emergency
- Cold start function
- Support USB, RS485 monitoring function with specific software

**Application**



Motorhome



Caravan



Mobile homes



Ambulance



Fire truck



Off grid solar system

**Power Range**

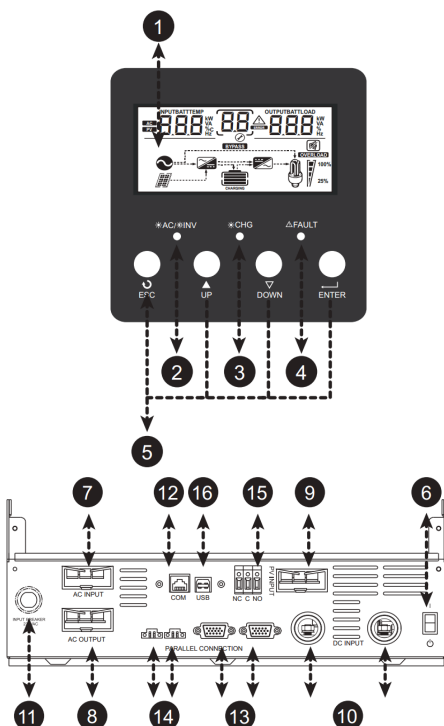
1000 VA  
50A

2000 VA  
50A

3000 VA  
50A

4000 VA  
50A

5000 VA  
50A



1. LCD display
2. Status indicator
3. Charging indicator
4. Fault indicator
5. Function buttons
6. Power on/off switch
7. AC input
8. AC output
9. PV input(Only available at SPE series model)
10. Battery input
11. Circuit breaker
12. RS232 communication port
13. Parallel communication cable (only for parallel model)
14. Current sharing cable (only for parallel model)
15. Dry contact
16. USB communication port

COSUPER (SUZHOU) ENERGY TECHNOLOGY CO.,LTD

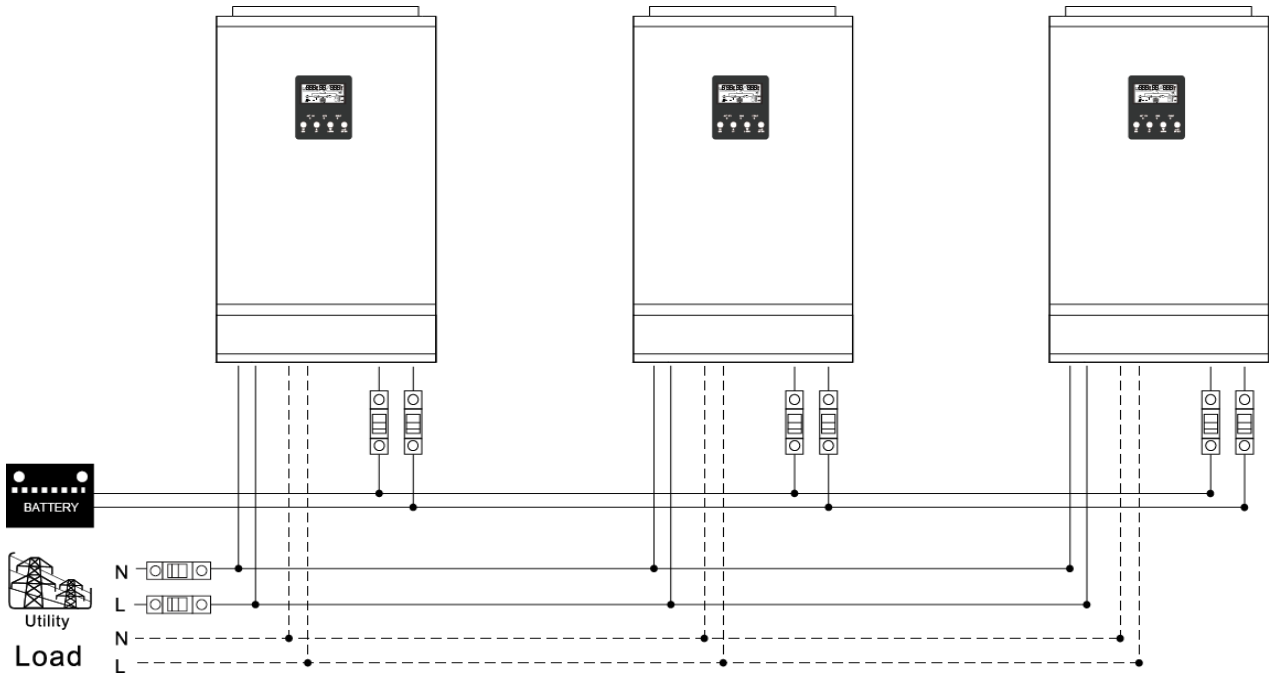
#18 Building  
No.99, Gangtian Road  
Suzhou, Jiangsu Province, China  
0086 512 68638910 Phone  
0086 512 68638916 Fax

[www.cosuper.com](http://www.cosuper.com)

Model	SPE1000	SPE2000	SPE3000	SPE4000	SPE5000
(PWM ver.) Battery System Voltage	12VDC	24VDC		48VDC	
(MPPT ver.) Battery System Voltage	24VDC / 48VDC			48VDC	
<b>INVERTER OUTPUT</b>					
Rated Power	1000VA/800W	2000VA/1600W	3000VA/2400W	4000VA/3200W	5000VA/4000W
Surge Power	2000VA	4000VA	6000VA	8000VA	10000VA
Waveform	Pure sine wave				
AC Voltage Regulation (Batt.Mode)	220VAC~240VAC				
Output Voltage	220/230/240 VAC±3%				
Inverter Efficiency (Peak)	93%				
Transfer Time	10ms(UPS), 20ms (APL)				
<b>BATTERY</b>					
Rated voltage	12VDC / 24VDC for PWM Ver. 24VDC / 48VDC for MPPT Ver.			48VDC	
Floating Charge Voltage	13.5VDC / 27VDC / 54VDC			54VDC	
Overcharge Protection	15VDC / 30VDC / 60VDC			60VDC	
<b>PWM Ver. CHARGING INFO</b>					
(PWM ver.) PV Open Voltage	40VDC for 12V Batt; 80VDC for 24V Batt			105VDC	
Standby Power Consumption	1W	2W		2W	
(PWM) Solar Charge Current	50A				
(PWM) Maximum Solar Input	600W	1200W		2400W	
Maximum AC Charge Current	20A	30A		60A	
(PWM ver.)Joint Charge Current	70A	80A		110A	
<b>MPPT Ver. CHARGING INFO</b>					
(MPPT ver.) PV Open Voltage	75VDC for 24V Batt; 75VDC for 48V Batt		75VDC for 24V 102VDC for 48V	145V	
Standby Power Consumption	2W				
(MPPT) Solar Charge Current	25A for 24V Batt; 20A for 48V Batt		25A for 24V 18A for 48V	60A	
(MPPT) Maximum Solar Input	600W for 24V; 900W for 48V			3000W	
Maximum AC Charge Current	30A for 24V Batt; 60A for 48V Batt			60A	
(MPPT ver.)Solar Current + AC Current	55A for 24V Batt; 80A for 48V Batt		55A for 24V Batt 78A for 48V Batt	120A	
<b>General parameter</b>					
Operating / Storage Temp	0~55℃ / -15-60℃				
Working Humidity	5% to 95% relative humidity (Non-condensing)				
Cooling	Auto fan cooling				
(PWM ver.)Dimensions (D×W×H) (mm)	95 x 240 x 316	100 x 272 x 355		120 x 295 x 468	
(MPPT ver.)Dimensions (D×W×H) (mm)	128 x 272 x 355				
(PWM ver.)Net Weight(kg)	5	6.4	6.9	9.8	9.8
(MPPT ver.)Net Weight(kg)	7.4	7.6	8	12.5	13.5

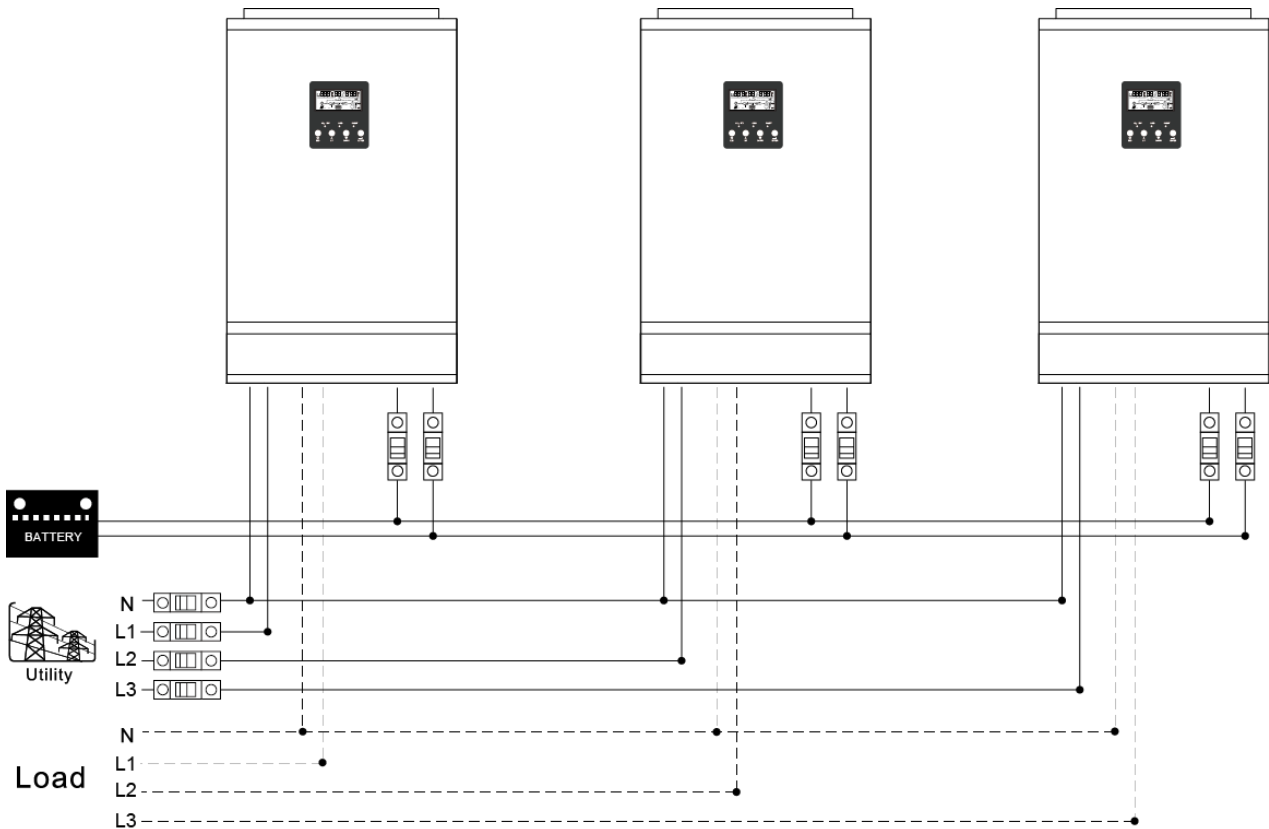
## Parallel-Use Support

SPE supports MAX. 6 unit for stack use to get MAX. 30KVA total output power.



## Three Phase Support

SPE supports MAX. 6 unit for three use to get a MAX. 30KVA three phase output power.



\*Specifications are subject to change without notice