

## SUNSEE Series



## MPPT Solar Inverter

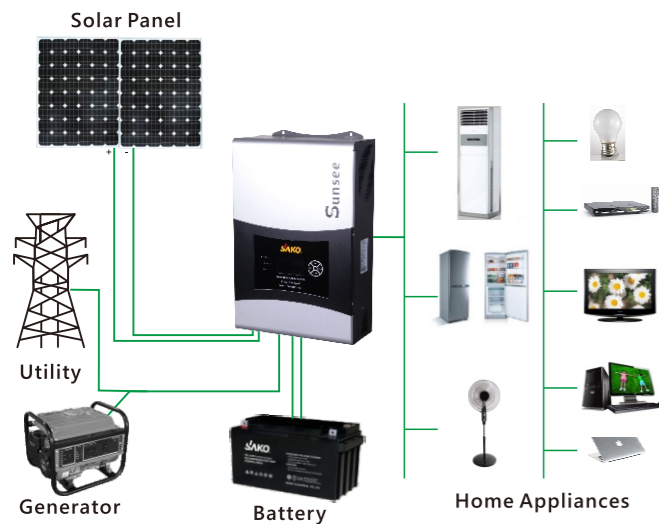
### MAIN FUNCTION:

- Real MPPT charge controller built inside, 15%-20% higher than PWM charge controller, use solar utmost.
- Pure sine wave, high frequency technology, wall mounted design, light weighted and easy to operate
- Selectable input voltage range for home appliances and personal computers
- Selectable charging current based on applications
- Configurable AC/Solar input priority via LCD setting
- Compatible to grid power or generator power
- Parallel operation with up to 6 units only available for 4KVA/5KVA
- Auto restart while AC is recovering, auto charge and switch, unattended operation
- Smart battery charger and management for optimized battery performance
- Remote control panel is optional
- High Efficient DC-To-AC Conversion. Minimizing Energy Loss and self power consumption
- All around protection functions: Overload/short circuit protection/high voltage/low battery voltage/high temperature, etc.

## TECHNICAL PARAMETER

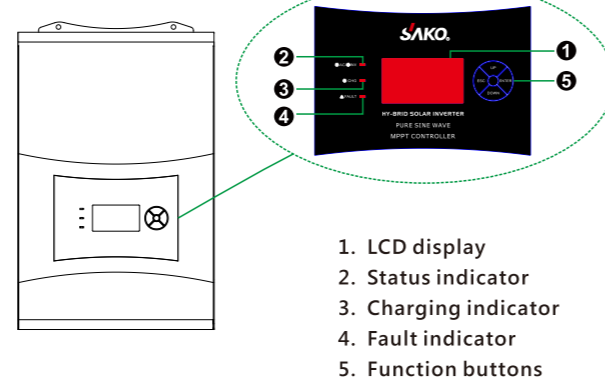
Model	SUNSEE-1K	SUNSEE-2K	SUNSEE-3K	SUNSEE-4K	SUNSEE-5K
The Rated Power	1000VA/800W	2000VA/1600W	3000VA/2400W	4000VA/3200W	5000VA/4000W
<b>INPUT</b>					
Voltage	230 VAC				
Selectable Voltage Range	170-280VAC (For Personal Computers), 90-280VAC (For Home Appliances)				
Frequency Range	50Hz/60Hz (Auto sensing)				
<b>OUTPUT</b>					
AC Voltage Regulation (Batt. Model)	230VAC ± 5%				
Surge Power	2000VA	4000VA	6000VA	8000VA	10000VA
Efficiency(Peak)	90%	93%			
Transfer Time	10ms (For Personal Computers), 20ms (For Home Appliances)				
Wave Form	Pure Sine Wave				
<b>BATTERY</b>					
Battery Voltage	12VDC	24VDC			48VDC
Floating Charge Voltage	13.5VDC	27VDC			54VDC
Overcharge Protection	16VDC	32VDC			60VDC
<b>MPPT SOLAR CHARGER &amp; AC CHARGER</b>					
Maximum PV Array Power	420W	1800W	4800W		
MPPT Range Operation Vol	15-33VDC	18-145VDC	36-145VDC		
Maximum PV Array Open Circuit Vol.	50VDC	145VDC	145VDC		
Standby Power Consumption"	15W	28W	56W		
Maximum Solar Charge Current(standard)	MPPT 30A	MPPT 60A	MPPT 80A		
Maximum Solar Charge Current(Optional)	PWM 50A	MPPT30A or PWM 80A	MPPT 40A or PWM 80A		
Maximum AC Charge Current	10A or 20A	60A	60A		
Maximum Charge Current	50A	120A	140A		
Maximum Efficiency	98%				
<b>BEST PANEL CONFIGURATION</b>					
Max. Generated From Solar Charger	30Amp 420W	60Amp, 1800W	80Amp, 4800W		
Best Panel Configuration	200Wp*2pcs (420Wp)	250Wp*6pcs *30V(1500Wp) 6pcs in parallel connection	250Wp*18pcs *30V(4500Wp) 9 strings, and 2pcs in each string in series connection		
<b>PHYSICAL</b>					
Dimension, D*W*H(mm)	128*272*355	543*394*204mm	549*394*224mm		
Net Weight (kgs)	7.5kg	8.4kg	10.81kg		
<b>OPERATING ENVIRONMENT</b>					
Humidity	5% to 95% Relative Humidity (Non-condensing)				
Operation Temperature	0°C -50°C				

## Solar System Connection



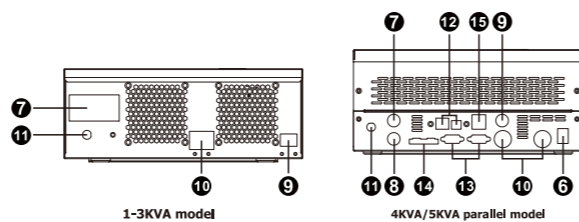
## LCD Display Information

### Product Overview



1. LCD display
2. Status indicator
3. Charging indicator
4. Fault indicator
5. Function buttons

## Back Panel



6. Power on/off switch
7. AC input
8. AC output
9. PV input
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

