

## 1K-5K Off Grid Low Voltage MPPT Solar Inverter (230Vac Output)

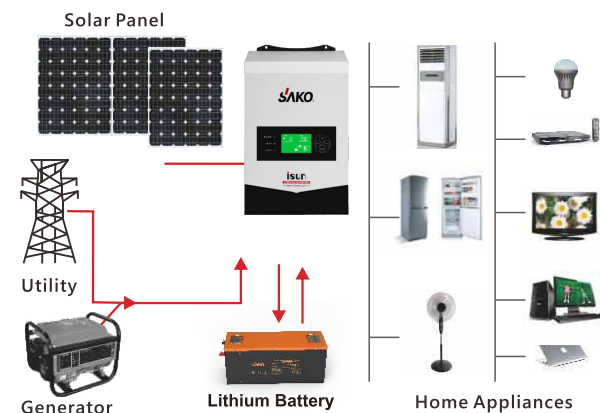


SUNSEE 5KW

### MAIN FEATURES

- With MPPT Solar Charge Controller Inbuilt
- Parallel Operation With up to 6 Units Only Available for 5KVA
- Configurable Priority of AC/Solar Charge Via LCD Setting
- Auto Restart While AC is Recovering
- Selectable Input Voltage Range for Home Appliances and Personal Computers

### Solar System Connection



### Back Panel



ISUN 3KW



ISUN 1KW

### TECHNICAL PARAMETER

MODEL	ISUN 1KW	ISUN 3KW	Sunsee 5K
<b>Line Mode Specifications</b>			
Input Voltage Waveform	Sinusoidal (utility or generator)		
Nominal Input Voltage	230Vac		
AC input Range	170Vac-280V (Computer) ; 90Vac-280Vac(Home Appliances)		
Nominal Input Frequency	50Hz / 60Hz (Auto detection)		
Efficiency (Line Mode)	>95% ( Rated R load, battery full charged )		
Transfer Time	10ms typical (UPS); 20ms typical (Appliances)		
<b>Inverter Mode Specifications</b>			
Rated Output Power	1KVA/1KW	3KVA/3KW	5KVA/4KW
Output Voltage Waveform	Pure Sine Wave		
Output Voltage Regulation	230Vac±5%		
Output Frequency	50Hz/60Hz		
Peak Efficiency	93%		
Overload Protection	5s@=150% load; 10s@105%-150% load		
Surge Capacity	2* rated power for 5 seconds		
Nominal battery Input Voltage	12.0Vdc	24.0Vdc	48.0Vdc
High DC Recovery Voltage	16.0Vdc	32Vdc	64Vdc
High DC Cut-off Voltage	16.5Vdc	33Vdc	66Vdc
No Load Power Consumption	<15W	<25W	50W
<b>Charge Mode Specifications</b>			
<b>Utility Charging Mode</b>			
Charging Algorithm	3 steps		
AC Charging Current (Max)	25Amp (INPUT=230Vac)		60A
Battery Voltage	14.1Vdc	28.2Vdc	56.4Vdc
Floating Charging Voltage	13.5Vdc	27Vdc	54Vdc
<b>MPPT Solar Charging Mode</b>			
Charging Current	40A	50A	80A
System DC Voltage	12Vdc	24Vdc	48Vdc
Operating Voltage Range	15V-115V	30V-115V	145V
Max. PV Array Open Circuit Voltage	100Vdc		150Vdc
DC Voltage Accuracy	±0.3%		
Max Charging Current (AC+ solar)	65Amp		120A
Max. solar input power (W)	40Amp, 480W	50Amp, 1200W	80Amp, 3840W
<b>General Specifications</b>			
Safety Certification	CE		
Operating Temperature Range	0°C-50°C		
Storage temperature	-15°C-60°C		
Humidity	5% to 95% Relative Humidity (Non-condensing)		
Product Dimension (D*W*H), mm	343mm*250mm*122mm	473mm*297mm*107mm	470.5mm*300mm*136mm
Packing Size (mm)	400mm*320mm*190mm	534mm*390mm*193mm	549mm*394mm*224mm
Net Weight, kg	5.35KG	7.84	10.81
G.W. kg	5.85KG	9.24	12.86