

## Solar Inverter 3kW-8kW Inverter (off-grid)



- Max. DC Power Data: 5.67kW-11.52kW
- Max. DC Voltage: 200V-400V
- Max. AC Power: 3kW-8kW
- Output AC Voltage: 220V (Range: 209-231V)
- Frequency: 50, 60Hz (49.5-60.6Hz)
- Distortion: <5%
- No of feed-in phase: 1
- Max. efficiency: 92%
- AC Output Connection: Screw, plug
- Dimension (H/W/D): 725x560x265mm
- Weight: 76kg-85kg
- Operating Temp.: 0-40°C
- High Frequency Transformer
- Cooling: Fan
- Warranty: 2 years

This is an inverter with inbuilt MPPT charger for easy and compact green energy delivery to generate electricity to power large homes and office equipment in a sustainable manner. The inverter combines the capability of inverting and solar charge controlling in one single machine for easy and compact green energy delivery to generate electricity to power large homes and office equipment in a sustainable manner.

This model adopts MCU control technique, having various kinds of function such as multi-setting mode, MPPT charge control, voltage stabilization on line, short-circuit protection, inverter frequency adaptive, output overload protections, batter charging management, monitoring etc. the inverter is the ideal power supply delivered with excellent performance, high stability, high reliability and practical applicability.

### Technical Specifications

- Independent MPPT control microprocessor system
- Independent inverter control microprocessor system featured with high-speed online stabilization
- Advanced SPWM technology, high-speed power MOS
- MPPT control using PWM technology enable to bear the maximum PV open-circuit voltage
- Operating mode selectable: PV priority or utility power priority
- Charging current selectable according to configured battery
- AC input with effective online synchronous stabilization technology
- Auto-tracking mains phase to ensure that inverter output voltage has same phase with utility voltage, reducing transfer time and peak surge
- No-load auto shutdown function (optional)
- Automatic frequency selection
- Auto Power-On/Off function; real-time monitoring, test and intelligent startup / shutdown by RS232 or USB interface communicating with PC; remote monitoring by optional SNMP networks

## Pure Sine Wave Inverter with Transformer – Key Specifications & Features



### Main Function

- Micro Processor Control
- Wide input voltage range
- Over temperature protection
- Automatic charge even inverter is off
- Low battery protection
- With polarity protection
- The LED & LCD Display Design Option
- Intelligent automatic voltage regulating and charging technology
- Pure sine wave
- Over load, short circuit protection
- By pass system
- Shut off output by manual if no need power
- Over voltage, Low voltage protection
- Compatible with generators
- Intelligent Automatic Voltage Regulating Technology

### TECHNICAL PARAMETER

MODEL	SKN-M500VA	SKN-M1000VA	SKN-M2000VA	SKN-M3000VA	SKN-M4000VA	SKN-M5000VA
<b>DC INPUT</b>						
Input Voltage(V)	12	24	24	48	48	48
Input Current(A)	52	52	104	78	104	130
Input DC Range(V)	10~14	20~28	20~28	40-56	40-56	40-56
<b>AC BYPASS</b>						
Input Voltage Range(V)	110V-270V			165-260V		
Input Frequency Range(Hz)	Same as the main power					
Input Current(A)	3.6	7.3	14.5	21.8	29.1	36.4
Charging Current	8-12A		15-20A			
Transfer Time(ms)	UPS Setting : ≤4 ms/ Generator : ≤1s					
<b>AC OUTPUT</b>						
Capacity(VA)	500	1000	2000	3000	4000	5000
Output Voltage	220VAC±3% (IN INVERTER MODE)					
Output Frequency(Hz)	50HZ/60HZ					
Output Current(A)	1.82	3.63	7.27	10.91	14.5	18.18
Voltage Precision(V)	220±3%			same as input		
Frequency Precision(Hz)	50±1%/60±1%(In inverter mode)					
Wave Distortion(TCKJ)	≤5%					
Power Factor(PF)	0.6 Or 0.8					
Overload Capacity	100%~120%, 25S, 120%~200%, 1 S, >200%, 0.1S					
Inversion Efficiency	≥82%					
Bypass Transfer time(ms)	≤4 ms or 1s (Generator)					
<b>PROTECTION</b>						
Protection	overtemperature/ overload/ overvoltage/ low battery/ low voltage/ Input low/ high voltage/ short circuit protection					
<b>AMBIENT</b>						
Noise(dB)	≤40 (1 mter)					
Temperature	-20~45 degrees C					
Humidity	0~95% ( no condensation)					
Sea Level(m)	≤1500					
<b>DIMENSION</b>						
Package L×W×H	520×240×327			600×335×475		
Weight(Kg)	9.5	15	22	28	35	38

## Pure sine wave solar inverter generator 3kW pure



### Features

- Low-voltage protection
- High-voltage protection
- Over load protection
- Overheating protection
- Short circuit protection
- Reverse polarity protection
- UPS and charging function
- Original factory, professional technical support
- 4 temperature-controlled cooling fan

### Description

The product is a conversion device with high ability to operate loads like home appliance, like TV, fans, lamp, solar system, air condition, motor and PC etc. optional UPS and charging function.

<b>Input voltage:</b>	DC24V(20-28V)	<b>Output jack:</b>	Universal socket
<b>Output Voltage:</b>	AC220V $\pm$ 5%	<b>Overload Protection:</b>	$\geq$ 3500W
<b>Rated output power:</b>	3000W	<b>Over temperature protection:</b>	$\geq$ 65°
<b>Peak output power:</b>	6000W	<b>Output short circuit protection:</b>	yes
<b>Output frequency:</b>	50HZ $\pm$ 4HZ	<b>Size:</b>	410*200*69mm
<b>Output wave form:</b>	Pure sine wave	<b>Single (with packing):</b>	5.5KG
<b>Conversion efficiency:</b>	$\geq$ 87%	<b>Output short circuit protection:</b>	yes
<b>Under voltage alarm:</b>	20-22V	<b>Output frequency:</b>	Single
<b>Under voltage shutdown output:</b>	$\leq$ 20V	<b>Manner of packing:</b>	Color box
<b>Overvoltage alarm:</b>	26-28V	<b>Warranty:</b>	1 year
<b>Overvoltage shutdown output:</b>	$\geq$ 28V		

## Solar Power Generator



Specifications:	TYN-35112	TYN-10224	TYN-20224	TYN-30248
<b>Inverter:</b>				
Continuous power	350W	1000W	2000W	3000W
Surge power	700W	2000W	4000W	6000W
DC input voltage	12V	24V	24V	48V
Output voltage	AC 110V/ 120V/ 220V/ 230V/ 240V			
Output wave form	Pure sine wave			
AC receptacles	2	3	2	2
Efficiency	> 85%			
Transfer time	< 4ms			
AC input protection	8A	10A	20A	32A
<b>AC charger (built-in)</b>				
Charger current	5A	8A	10A	10A
Charging stages	three stages(constant, topping, float)			
<b>Solar charger(built-in)</b>				
Input current	10A	40A	50A	60A
Charging stages	three stages(constant, topping, float)			
Rated charge voltage	12VDC	24VDC	24VDC	48VDC
recommended solar panel input	1 * 100W	2* 250W	4* 250W	6* 250W
<b>Battery</b>				
Type:	AGM Lead acid/ deep cycle/ GEL			
Max Capacity:	12V 100AH*1	12V 100AH *2	12V 200AH*2	12V 200AH*4
<b>Environmental</b>				
Working temperature	32° to 104 ° F(0 ° to 40 °)			
Humidity	10% to 90%			
Further characteristics:	Each model with/without battery, easily and safely installed anywhere, simple plug and play system, AC outlets operate home appliances, power tools, and home electronics. DC outlets for phone charging or dc appliances.			

## Portable Solar Power Generator



<b>Battery</b>	Polymer lithium battery 12V / 50AH
<b>Solar charging</b>	Voltage: 18V / Current: 10A
<b>AC charging</b>	Voltage: 13V / Current: 6A
<b>AC output</b>	Max output power: 400W
	Output voltage: AC110V~240V
	Output frequency: 50Hz
	Output waveform: Pure sine wave
<b>DC12V output</b>	Output voltage: DC12V
	Max output current: 8A
<b>USB DC5V output</b>	Output voltage: DC5V
	Max output current: 3A
<b>Jump starter</b>	12Vbattery car engine start
<b>Radiating</b>	Air cooling
<b>Protections</b>	Over charge protection; Under voltage protection; Over voltage protection; Over load protection; Short circuit protection;overheating protection
<b>Size</b>	385mm*280mm*150mm
<b>N.W.</b>	9KG

### Design concept

This stylish, highly-efficient multifunctional portable solar power generator can easily be carried. It can be applied anywhere where there is no power supply e.g. to for camping, long trip, emergency power, mobile device, hospital emergency rescue, etc. It can charge cell phones, notebook computers, lights, digital cameras, fans, TV, electronic appliances. It is waterproofed metal textured ion alloy surface