

SKN-H Series High Frequency Home Inverter

MAIN FUNCTION

Modified Sine Wave Inverter/Charger System

The Desirable Long Backup Power Solution For Home And Office Appliances

- Micro Processor Control
- Low battery protection
- Isolated output
- Selectable charge current
- Full automatic and silent operation
- Automatic Line-to-Battery Switch over
- Application for Fan, light ,TV and office Appliances
- Automatic charge while AC recovery (off model charging)
- Multi-function LED&LCD Display Design and buzzer alarms.
- Overload,short circuit protection
- Cool start
- Rack design
- Compatible with generators
- Battery Polarity Protection optional
- Intelligent Automatic Charging Technology
- User selectable for accepting wider input voltage
- High Efficient DC-to-AC conversion. minimizing energy loss



600VA/12V



1000VA/12V



2000VA/24V

TECHNICAL PARAMETER

SPECIFICATION	MODEL	SKN-H600	SKN-H1000	SKN-H1200	SKN-H1000	SKN-H2000	SKN-H2400
Load capacity		3lights + 3Fans	5Lights+5Fans	6lights+6Fans	8lights+7fans	10lights+10fans	12 lights+12Fans
DC INPUT							
Input Voltage(Vdc)		12	12	12	24	24	24
Input DC Range(Vdc)		10~15			20~30		
AC Bypass in "on/off" switch off mode							
Input AC Range(Vac)		220/230/240VAC					
		177-280V (Narrow Range) or 90-280VAC (Wide Range)					
Input Frequency(Hz)		50/60 HZ					
Bypass Output Voltage(Vac)		SAME AS INPUT AC					
Bypass Output Frequency(Hz)		SAME AS INPUT Frequency					
Charging Current(A)		10±2A or 10A and 20A Selectable					
Charging Floating Voltage(V)		13.75±0.2V			27.5±0.4V		
Over Charge Voltage(V)		15.0V±0.4V Charge stop			30.0V±0.8V Charge stop		
AC Efficiency		> 97%					
Transfer Time(ms)		Typical 15ms					
AC OUTPUT (INVERTER)							
Capacity(VA)		600	1000	1200	1000	2000	2000
Output Power(W)		360	600	720	600	1200	1200
Output Voltage		220VAC					
Output Frequency		50/60HZ					
Output Current(A)		2.7/1.6	4.5/2.7	5.4/3.2	4.5/2.7	9.1/5.5	10.8/6.4
Voltage Precision(VAC)		220±10%					
Frequency Precision(HZ)		50/60Hz±0.1HZ					
Wave Form		modified sine wave					
Power Factor		0.6					
Inversion Efficiency		>85%					
Bypass Transfer time(ms)		≤8 ms					
Over load capacity		over load 110%,60s later shut off					
PROTECTION							
Protection		over load/ short circuit protection					
		Over charge ,over discharge protection					
AMBIENT							
Noise(dB)		≤40 (1 mter)					
Temperature		-20~45 degree					
Humidity		0~95% (no condensation)					
Sea Level(m)		≤1500					
DIMENSION							
Package L×W×H(mm)		638*370*552mm(10pcs in one carton)					
GW. Weight(Kg) /Carton		26.5	27.5	27.8	27.2	28.2	28.6