




### SAKO SKN-HDS SERIES HIGH FREQUENCY HOME INVERTER

**Main Features**

- Inverter/Solar charger/Ac Charger/AVR/UPS 5 functions into 1
- Modified sine wave, cost effective. Ideal choice for Fan, light ,TV and basic home appliances
- AC charger and solar charger built inside, configurable AC/Solar input priority via LCD setting
- User selectable for accepting wider input voltage and selectable charge current
- Intelligent Automatic Charging Technology,automatic Line-to-Battery switch, unattended operation
- Multi-function LED&LCD Display and buzzer alarms.
- All around protection functions: Low battery protection, over load, short circuit protection
- Wall mounted design, light weight for easy carry
- High Efficient DC-to-AC conversion,minimizing energy loss
- Battery Polarity Protection optional

MODEL	SKN-HDS 1000VA	SKN-HDS 1500VA	SKN-HDS 2000VA
<b>SPECIFICATION</b>			
<b>DC INPUT</b>			
Input Voltage(Vdc)	12Vdc	12Vdc	24Vdc
Input DC Range(Vdc)	10-16Vdc		20-32Vdc
<b>PWM SOLAR CHARGE CONTROLLER</b>			
PV Input Voltage (VDC)	18-25V		36-50Vdc
PV charge current (A)	50A		50A
<b>AC Bypass in "on/off" switch off mode</b>			
Nominal Input Voltage(Vac)	230Vac		
Input AC Range(Vac)	170-280Vac (Narrow Range) or 90-280Vac (Wide Range)		
Input Frequency(Hz)	50/60 Hz		
Bypass Output Voltage(Vac)	SAME AS INPUT AC		
Bypass Output Frequency	SAME AS INPUT Frequency		
Charge Current(A)	15-20A±2A (Selectable)		10A±1A
Charge Floating Voltage(V)	13.75±0.2Vdc		27.5±0.4Vdc
<b>Over Charge Protection</b>	≥15±0.4Vdc, Fault, Buzzer alarm		≥32±0.8Vdc, Fault, Buzzer alarm
AC Efficiency	>97% ( Rated R load, battery full charged )		
Transfer Time(AC to DC)(ms)	15-20ms typical(narrow range); 40ms max(wide range)		
Bypass Transfer time(ms)	≤5ms		
<b>AC OUTPUT (INVERTER)</b>			
Capacity(VA)	1000VA	1500VA	2000VA
Output Power(W)	800W	1000W	1600W
Output Voltage	230Vac		
Output Frequency	50/60Hz		
Output Current(A)	4.5/3.2A	6.8/4.1A	10.8/6.4A
Voltage Precision(VAC)	230±10%		
Frequency Precision	50/60Hz±0.2Hz		
Output Voltage Waveform	modified sine wave		
Inverter Efficiency	>85%		
Over load capacity	>110% rated R load,60s later shut offer; >150%rated R load, immediately fault		
<b>LCD+LED Display</b>	Output Voltage/Load power/Battery Status/Line Mode/Battery Mode/Fault Mode		
<b>PROTECTION</b>			
Protection	overload/ short circuit protection/ Overcharge and discharge protection		
<b>AMBIENT</b>			
Noise(dB)	≤40dB (1 meter)		
Temperature	-20~45°C		
Humidity	0~95% ( no condensation)		
Sea Level(m)	≤1500m		
<b>DIMENSION</b>			
Package LxWxH(mm)	663*378*588mm( 10pcs in one carton)		

GW. Weight(Kg) /Carton	29	32	32
Product Photo	 A black, rectangular OREX inverter with a green LCD display on the front panel.	 A white, rectangular OREX Hybrid Solar Inverter with a black LCD display and control buttons on the front panel.	 A white, rectangular OREX Hybrid Solar Inverter, similar to the one in the middle column, shown from a slightly different angle.