



## H3 1K-2K MODIFIED SINE WAVE OFF GRID PWM INVERTER

### MAIN FEATURES

- Solar charge controller and AC charger built inside, solar/battery/grid power complementary.
- User can select the work mode as solar priority or solar/AC together
- Support wide AC input range(90-280Vac)
- Solar charger/AC charger/Inverter/ AVR/UPS 5 functions into 1
- Application: Fan, light, TV and office Appliances

### Solar System Connection



## Off Grid PWM Inverter

### TECHNICAL PARAMETER

INVERTER MODEL	SKN-H3 800W	SKN-H3 1000W	SKN-H3 1600W	SKN-H3 1800W
Capacity	800W	1000W	1600W	1800W
<b>DC INPUT</b>				
Input Voltage(VDC)	12 VDC			24 VDC
DC Input Voltage Range(VDC)	10-15 VDC			20-30 VDC
<b>PWM CONTROL LER</b>				
PV Input Voltage(VDC)	18-25 V			36-50 V
PV Charge Current(A)			50 A	
<b>AC BYPASS(THE SWITCH AT ON MODE)</b>				
AC Input Voltage Range(VAC)	220/230/240 VAC 170-280V ( Narrow Range) / 90-280VAC (Wide Range)			
Input Frequency(HZ)	50Hz/60Hz			
Output Voltage Range(VAC)	SAME AS INPUT			
Output Frequency(HZ)	SAME AS INPUT			
Charge Current(A)	15-20 A			10-15 A
Floating Voltage(V)	13.75±0.2 V			27.5±0.4 V
Overcharge Voltage(V)	15.0±0.4 V			30.0±0.8 V
AC Eciency	97%			
Transfer Time(ms)	15ms			
<b>AC OUTPUT(BATTERY MODE)</b>				
Capacity(VA)	800VA	1000VA	1600VA	1800VA
Output Capacity(W)	800W	1000W	1600W	1800W
Output Voltage(VAC)	230VAC			
Output Frequency(HZ)	50Hz/60Hz			
Output Current(A)	3.48A	4.35A	6.95A	7.83A
Output Voltage range(VAC)	230V±10%			
Output Frequency Range(HZ)	50Hz/60Hz±0.1Hz			
Output Wave Form	Modified Sine Wave			
Power Factor	1			
Eciency	>85%			
Bypass transfer time(ms)	≤8ms			
Overload	Over load ≥110%, after 60s off			
<b>PROTECTION</b>				
Protection	Over temperature/Over load/ Short circuit protection Over charge, discharge protection			
<b>ENVIRONMENT</b>				
Noise(dB)	≤40(1 meter)			
Temperature	-20~45 degree			
Humidity	5% to 95% (no condensation)			
Altitude(m)	≤1500			
<b>PACKING</b>				
Product Dimension (D*W*H), mm	360*135*355			
Net Weight (kgs)	/			