

SKN-SS Series Low Frequency Solar Inverter



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> TECHNICAL PARAMETER

SPECIFICATION	MODEL	SKN-SS 8KVA	SKN-SS 10KVA
DC INPUT			
Input Voltage(Vdc)		96V	
Min DC start voltage(Vdc)		84V	
AC Bypass			
Nominal Input Voltage		230Vac(waveform:Sine or generator)	
Input AC Range(Vac)		165Vac±4%-265Vac±4%	
Frequency Range(HZ)		57Hz or 60Hz(47Hz -53Hz for 50Hz)----(57Hz -63Hz for 60Hz)	
Input Frequency(Hz)		50Hz/ 60Hz (Auto detection)	
Bypass Output Voltage(Vac)		same as input voltage	
Bypass Output Frequency(Hz)		same as input frequency	
Pass through without Battery		Yes	
Max Bypass Overload Current		50A	
AC Efficiency		> 95%	
Transfer Time(ms)		20ms (typical)	
Solar controller			
Solar controller		with40A,50A,60A,80A 96V optional (controller price will be extra added)	
AC CHARGER			
Charge mode Input Voltage Range		165Vac±4%-265Vac±4%	
Automatic Charge mode		Three stages charge mode:Boost CC (constant current stage) → Boost CV (constant voltage stage) → Float (constant voltage stage)	
Nominal Charge Voltage		According to the battery type setup	
Charge Current(A)		10A / 20A	
Charge boost voltage(v)		According to the battery type setup(12V BAT:14-15.5v24V BAT: 28-31V 48V BAT:56-62V 96V BAT:112-124V)	
Charge Floating Voltage(V)		According to the battery type setup (12V BAT: 13.3-13.7, 24v BAT: 26.6-27.6, 48V BAT:53.2-55.2V 96V BAT:106.4-110.4V)	
Over Charge Protection		Bat. V ≥15.7Vdc, beeps 0.5s every 1s & fault after 60s (15.7 for 12v, 31.4V for 24V, 62.8V for 48V, 125.6V for 96V)	
Charger Short Circuit Protection		Circuit breaker	
INVERTER			
Capacity(VA)		8000	10000
Output Power(W)		6400	8000
Power Factor(PF)		0.8	
Output Voltage		230VAC (Sine wave)	
Output Frequency		50/60 ± 0.3Hz(auto tracking main first power connection)	
Wave		pure sine wave	
Inversion Efficiency		>88%	
Over load capacity		*(110%<load<125%) ±10%: Fault (shutdown output) after 15 minutes;(125%<load<150%) ±10% : Fault (shutdown output) after 60s;Load>150% ±10%: Fault (shutdown output) after 20s"	
Low Battery Alarm		10.5Vdc ± 0.3Vdc for 12V battery, 21.0Vdc ± 0.6Vdc for 24V battery, 42.0Vdc ± 1.2Vdc for 48V battery, 84.0Vdc ± 2.4Vdc for 96V battery	
Power saver		no Functio	
AMBIENT			
Noise(dB)		60dB max.	
Temperature		0°C to 40°C	
Humidity		5% to 95%	
Sea Level(m)		≤1500	
DIMENSION			
Product size L×W×H(mm)		L610mm*W230mm*H560mm	
Packing sizeL		710mm*W330mm*H660mm	
Weight(Kg)		65.0/70.0	70.0/75.0