

## SAKO SKN-S SERIES HIGH FREQUENCY HOME INVERTER

SPECIFICATION	MODEL	SKN-S 1KVA	SKN-S 2KVA	SKN-S 3KVA	SKN-S 4KVA	SKN-S 5KVA	SKN-S 6KVA
<b>DC INPUT</b>							
Input Voltage(Vdc)		12V/24V			24V/48V		
Min DC start voltage(Vdc)		10V/20V			20V/40V		
<b>AC Bypass</b>							
Nominal Input Voltage		110V or 230Vac(waveform:Sine or generator)					
Input AC Range(Vac)		90Vac±4%-135Vac±4% or 184Vac±4%-253Vac±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		30A					
AC Efficiency		> 95%					
Transfer Time(ms)		20ms (typical)					
<b>CHARGER</b>							
Charge mode Input Voltage Range		95~127Vac or 196~243Vac					
Automatic Charge mode		Three stage 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)		17.5A/35A/70A					
Charge boost voltage(v)		According to the battery type setup( 12V BAT:14-15.5v 24V BAT: 28-31V 48V BAT:56-62V )					
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)					
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)					
Charger Short Circuit Protection		Circuit breaker					
<b>(INVERTER)</b>							
Capacity(VA)		1000	2000	3000	4000	5000	6000
Output Power(W)		1000	2000	3000	4000	5000	6000
Power Factor(PF)		1					
Output Voltage		120VAC or 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;					
Low Battery Alarm		10.5Vdc ± 0.3Vdc for 12V battery, 21.0Vdc ± 0.6Vdc for 24V battery, 42.0Vdc ± 1.2Vdc for 48V battery					
Power saver		Load ≤25W (Enabled on "P/S auto" setting of Remote control)					
<b>AMBIENT</b>							
Noise(dB)		60dB max					
Temperature		0°C to 40°C					
Humidity		5% to 95%					
Sea Level(m)		≤1500					
<b>DIMENSION</b>							
Product size L×W×H(mm)		L438mm*W184mm*H181mm			L608:mm*W184mm*H181mm		
Packing size		L590*W312*H295mm			L808*W360*H352mm		
Weight(Kg)		16.5/17.5	19/20	24/25	34/37	38.5/41.5	44.5/47.5