

SAKO SKN-S SERIES LOW FREQUENCY HOME INVERTER WITH CONT

- Micro Processor Control
- Smart size design
- Full automatic and silent operation
- Automatic Line-to-Battery Switch over
- Three stage Intelligent Automatic Charging Mode Tech
- Remote control solution by RJ11 and remote pæ
- Automatic charge while AC recovery(off model)
- High Efficient DC-to-AC conversion.minimizing
- Over load, short circuit protection Over charge , disc
- Low battery and high protection
- Cool start
- Isolated output
- Compatibility with generators
- Full Multi-function LED Display with full meanings and
- Application for Fan, light ,TV and office
- Intelligent Variable speed fan operation
- Battery type setup to get the best charge voltage and



Feature

Sine Wave Inverter/Charger System

The Desirable Long Backup Power Solution For Home An

MODEL SPECIFICATION	SKN-S 1KW	SKN-S 2KW	SKN-S 3KW	SKN-S 4KW	SKN-S 5KW	SKN-S 6KW
DC INPUT						
Input Voltage(Vdc)	12V/24V			24V/48V		
Min DC start voltage(Vdc)	10V/20V			20V/40V		
AC Bypass						
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)					
CHARGER						
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					
SOLAR CONTROLLER BUILDING INSIDE						
Solar controller	10A/12V/24V OR 20A/12V/24V OR 30A/24V/48V					
(INVERTER)						
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)					
AMBIENT						
Noise(dB)	60dB max					
Temperature	0°C to 40°C					
Humidity	5% to 95%					
Sea Level(m)	<=1500					
DIMENSION						
Product size L×W×	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