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SAKO LOW FREQUENCY HOME INVERTER SKN-S SERIES



SAKO SKN-S SERIES MAIN FUNCTION

- Micro Processor Control
- Smart Size Design
- Full Automatic And Silent Operation
- Automatic Line-To-Battery Switch Over
- Three Stage Intelligent Automatic Charging Mode Technology
- Remote Control Solution By RJ11 And Remote Panel
- Automatic Charge While AC Recovery(Off Model Charging)
- High Efficient DC-To-AC Conversion,Minimizing Energy Loss
- Over Load,Short Circuit Protection
- Low Battery And High Protection
- Cool Start,Over Charge,Discharge Protection
- Isolated Output
- Full Multi-Function,LED or LCD Display (Optional) With Full Meanings And Buzzer Alarms Design
- Application For Fan,Light ,TV,AC,Refrigerator And Office Appliances
- Intelligent Variable Speed Fan Operation
- Battery Type Setup To Get The Best Charge Voltage And Mode Feature
- Pure Sine Wave Inverter/Charger System
- The Desirable Long Backup Power Solution For Home And Office Appliances



OHSMS 28001 ISO 9001:2000 ISO 14001:2004



SAKO SKN-S SERIES TECHNICAL PARAMETER

MODEL	SKN-S 1KW	SKN-S 2KW	SKN-S 3KW	SKN-S 4KW	SKN-S 5KW	SKN-S 6KW	SKN-S 8KVA	SKN-S 10KVA
DC INPUT								
Input Voltage (VDC)	12V/24V/48V			24V/48V			96V	
Min DC Start Voltage (VDC)	10V/20V			20V/40V			96V	
AC BYPASS								
Nominal Input Voltage (VAC)	110VAC or 230VAC				230VAC			
Input AC Range (VAC)	110VAC:80-140VAC or 220VAC:165-265VAC (Wide) / 185-265VAC (Narrow) or 90-265VAC (1-3KW)				165-265VAC (Wide), 185-265VAC (Narrow) 165VAC-265VAC			
Frequency Range (Hz)	50Hz 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 (A)	10A		30A		40A		50A	
AC Efficiency	> 95%							
Transfer Time (ms)	20ms (Typical)							
CHARGER								
Charge Mode Input Voltage Range	85-135VAC or 175-255VAC (Wide) / 195-255VAC (Narrow)				175-255VAC (Wide) / 195-255VAC (Narrow) 175VAC-255VAC			
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)	70A (Maximum)						25A	
Charge Boost Voltage (VDC)	According To The Battery Type Setup (12V BAT:14-15.5V 24V BAT:28-31V 48V BAT:56-62V 96V BAT:112-124V)							
Charge Floating Voltage (VDC)	According To The Battery Type Setup (12V BAT:13.3-13.7V 24V BAT: 26.6-27.6V 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 (15.7V for 12V, 31.4V for 24V, 62.8V for 48V, 125.6V for 96V)							
Charger Short Circuit Protection	Circuit Breaker							
INVERTER								
Capacity (VA)	1000	2000	3000	4000	5000	6000	8000	10000
Output Power (W)	1000	2000	3000	4000	5000	6000	6400	8000
Power Factor (PF)	1							
Output Voltage (VAC)	120VAC or 230VAC (Pure Sine Wave)				230VAC (Pure Sine Wave)			
Output Frequency (Hz)	50/60 ± 0.3Hz (Auto Tracking Main First Power Connection)							
Wave From	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	Load ≧ 25W (Enabled On "P/S Auto" Setting Of Remote Control)							No Function
AMBIENT								
Noise (dB)	60dB Max.							
Temperature	0°C to 40°C							
Humidity	5% to 95%							
Sea Level (m)	≤ 1500m							
DIMENSION								
Product Size L×W×H (mm)	L438mm*W184mm*H181 mm			L608mm*W184mm*H181 mm			L610mm*W230mm*H560 mm	
Packing Size L×W×H (mm)	L590mm*W312mm*H295 mm			L808mm*W360mm*H352 mm			L710mm*W330mm*H660 mm	
Weight (KG)	16.5/17.5KG	19/20KG	24/25KG	34/37KG	38.5/41.5KG	44.5/47.5KG	65.0/70.0KG	70.0/75.0KG