

SAKO SOLAR AIR CONDITION INVERTER SKN-AC Series



SAKO SKN-AC Series MAIN FUNCTION

- 1,Used for AC air conditioner
- 2,With hybrid inverter function, AC and Solar 2 charge way
- 3,Wide AC input voltage range
- 4,High efficiency
- 5,High capacity against AC start current
- 6,Energy save technology

OHSMS 28001 ISO 9001:2000 ISO 14001:2004



SAKO SKN-AC Series TECHNICAL PARAMETER

Model	Specifications	SKN-AC 1200W	SKN-AC 2000W	SKN-AC 3000W
Adapt For Air Condition		1 HP	1.5 HP	2 HP
Mono-Crystalline Solar Panels	The Maximum Power Of Solar Panels (W)	300W * 4PCS	250W * 8PCS	300W * 8PCS
	Solar Panel Connection	4 Parallel	2 Series / 4 Parallel	2 Series / 4 Parallel
	The Short Circuit Current Of Solar Panels (A)	9.00A	7,91A	9.00A
	The Maximum Power Current Of Solar Panels (A)	8.34A	7.29A	8.34A
	The Open Circuit Voltage Of Solar Panels (VDC)	43.64VDC	43.64VDC	43.64VDC
	The Maxium Power Voltage Of Solar Panels (VDC)	36VDC	36VDC	36VDC
Solar Charge Controller	Rated Voltage (VDC)	24VDC	48VDC	48VDC
	Rated Solar Charge Current (A)	50A Max.	40A Max.	60A Max.
	Input P.V. Max. (VDC)	50VDC	100VDC	
	Rated Efficiency	≥95% (No Load Draws≤3%)		
Battery Features	Battery	12V 200AH * 2PCS	12V 150AH * 4PCS	12V 200AH * 4PCS
	Battery Connection	2 Series	4 Series	4 Series
	Backup Time (H)	6 Hours		
	Rated Battery Voltage (VDC)	24VDC	48VDC	
	Rated Input Current (A)	62.5A	52.08A	78.1A
Inverter Features	Rated Output Power (W)	1200W	2000W	3000W
	Input AC Range (VAC)	110~270VAC		
	Input Frequency Range (VAC)	45~55Hz		
	Rated Output Voltage (VAC)	220VAC±5%		
	Output Phase	Single Phase		
	Output Frequency (Hz)	50Hz±1.0Hz		
	Rated Output Current (A)	5.5A	9.1A	13.6A
	Output Waveform	Pure Sine Wave		
	Total Harmonic Distortion	≤5%		
	Crest Factor	3:1		
	Transfer Time (ms)	10ms		
	Efficiency	≥85%		
	LCD Display	Solar Charge Status / AC Model / Inverter Mode / Fault		
	Protection Function	Output Overload Protection	(100%<Load<125%)±10%: Fault Alarm (125%<Load<150%) ±10%: Fault (Shutdown Output) After 60S (150%<Load<200%) ±10%: Fault (Shutdown Output) After 10S Load>200% ±10%: Fault (Shutdown Output) After 2S Press Delay (Load>125%)±10%: Fault(Shutdown Output)After 70S	
Output Shortcircuit Protection		Shutdown When Shortcircuit		
Input Lowvoltage Protection		Sound-Light Alarm (<22VDC)		
Overtemperature Protection and Recovery		Shutdown Output Upon 90°C,Recovery Lower 65°C		
Environmental	VDC Dielectric Strength (Input & Output)	1500V, ≤10mA 60S		
	Noise (dB)	50dB Max. (1 Meter)		
	Operating Temperature	0℃ ~ 25℃ Degree (Recommended For Batteries)		
	Storage Temperature	-25℃ ~ 40℃ Degree		
	Humidity	0% to 90% (No Condensation)		
	Altitude (M)	0-6000 Meters		
Physical	Package L×W×H (mm)	465×240×320 mm	630×322×470 mm	
	G.W. (KG)	13 KG	28 KG	38KG