

AC Inverter – Series - High/Low Frequency - Double Conversion

SPECIFICATION:						
Model	Pure Sine Wave	SKN 1000	SKN 2000	SKN 3000	SKN 5000	SKN10KL
	Simulated Sine Wave	SKI350	SKI600	SKI1000	SKI2000	SKI3000
Type		Continuous Long Back Up Power Supply Inverter DC to AC				
Input	DC Voltage Range	12VDC – 48VDC				
	AC Voltage Range	220/230/240VAC or 100/110/120VAC (+/- 20 %) – SKN Only				
	Phase	Single Phase + Neutral + GND (SKN Only)				
	Frequency Range	45 – 55 Hz (SKN Only)				
	Power Factor	>0.95				
Output	Voltage Range	230VAC ±1% or 100VAC ±1%				
	Frequency Range	50 / 60 Hz±0.5%				
	Power Factor	SKN - 0.7/0.8 or DF – 0.6				
	Wave Form	SKN - Sinusoidal Pure Sine Wave / DF – Simulated Sine Wave				
	Phase	Single Phase + Neutral + GND				
	THD	SKN - <3% (Linear Load) / DF - < 50% (Linear Load)				
	Overload Capacity	105% - 10s, 130% - 200ms				105% - 10min, 130% - 200ms
Battery	Type	SLA (Sealed Lead Acid) - Maintenance Free				
	Rated Voltage	12VDC – 48VDC				
	Recharging Time	2 - 8 hours up to 90% capacity (SKN Only)				
	Charge Current	Auto Charger 0-6A (SKN Only)				
	Back Up Time Calculation	Example : SKN 1000 - 12VDC x 7Ah x 1pc = 84VA x 0.7p.f. = 59 Watts 59 / Load, 300Watts = 0.196 hrs x 60mins = 12 minutes Back Up Time				
	Connection Type	Terminal : RED (+) & BLACK (-)				
Panel Indicator (LED)		AC Input, Battery, Inverter Fault				
Audible Alarm	Battery Discharge	Sounding every 4 seconds when mains fails (SKN Only)				
		Sounding every 1 second when battery exhausts (SKN Only)				
	UPS Abnormal	Beeping continuously				
Transfer Time	Mains Fail or Recover	Zero Second Transfer (SKN Only)				
Efficiency	Inverter	SKN <92% / DF < 85%				
Communication interface (SKN Only)		Port : RS232 for Win98–2000, Win XP or SNMP/AS400/Unix (optional)				
Protection		Surge/Spikes, Over Load, Short Circuit, Circuit Breaker, MOV, GTA & LC				
Environment	Temperature	0 - 45°C				
	Humidity	10% - 90% (Non condensation)				
	Audible Noise	<45dB (At 1M)		<50dB (At 1M)		<55dB (At 1M)
Physical	SKN-Net weight (kg)	15kg	20kg	28kg	38kg	115kg
	SKN-(W x D x H)mm	145 x 465 x 235	200 x 470 x355			470 x 765 x 916
	SKI -Net weight (kg)	1.2kg	2kg	2.4kg	2.8kg	4.2kg
	SKI-(W x D x H) mm	140x195x55	180x230x70	160x270x80	190x320x90	200x360x90
	* For Long Back Up or Custom Made Inverter, Specification, Size & Weight will be Changed or as User request as possible.					

* Specifications subject to change without prior notice