



An ISO 9001, OHSAS 18001 Certified

**Submersible
Pump Can Run**

Pure Sine Wave Home UPS & Static Inverter

In the field of Inverter Technology, Sun Garner Energies Present exclusive Series of Sine Wave Home UPS & Static Inverter.

This is the result of mutual degree of agreement among the enthusiastic and professional technocrats of Sungarner Team of individual domain to match the international standard of manufacturing to develop Reliable, trouble free, principally high standard of products. Class of Quality and testing procedures ensures that all our inverter and UPS performs even when subject to critical Conditions.

Sungarner system offers stability both in voltage & frequency, henceforth power harnessed from the system is nearest to the truth value, especially for inductive load.

Highlights

- Selectable battery charging current (High/Low).
- Resettable A.C. Fuse.
- Over Temperature Protection
- Deep Discharge Battery charging from A.C. Mains.
- Protection such as Mains Fuse Trip, Overload, Short Circuit, Battery low, Over Temperature indication with buzzer as well as display on LCD available.
- Battery Equalizer inside to increase battery life & backup
- Soft start technology
- Cold start technology
- ATC (automatic temperature compensation technology)
- Charging Ampere adjustable (0,5,10 & 15 Amp) in inverter
- AC Mains available, battery charging /charged and its voltage indication provided on LCD display.
- Battery type charging selection (Tubular /Flat /SMF/GEL).
- DSP Based Design with absolute and stable Sine Wave output voltage and frequency
- Resettable AC circuit breaker which reduce service calls.
- Selectable mode for UPS/Inverter.
- More back-up being a Sine Wave UPS (ASIC Control)
- External DC fuse for reverse battery protection.
- Bypass switch in case of any fault.
- Comprehensive LCD Display.

Applications

- ➔ Power back up for domestic and small scale set up such as shop, offices etc.
- ➔ Compatible to serve household loads including small water pumps



1100VA | 1500VA | 2100VA | 2500VA | 3KVA | 3.5KVA | 5KVA | 7.5KVA | 10KVA

www.seltrik.com
www.sungarner.com

Technical Specifications

Pure Sine Wave Home UPS, Static Inverter

Model No.	SK1112N	SK1724N	SK2224N	SK2524N	SK3548N	SK5048N	SK7596N	SK10120N
Ratings	1100VA	1750VA	2200VA	2500VA/24V	3500VA/48V	5000VA/48V	7500VA/96V	10KVA/120V
Nominal DC	12V	24V			48V		96V	120V
Switching Element	MOSFET						IGBT	
Controller	DSP IC 32 BIT							
Max. Battery Capacity	220AH							
Inverter Parameters								
Output Voltage	220V ± 8%, 1φ						230V ± 8%, 1φ	
Output Frequency	50Hz ± 1							
Max Load (±5%)	800W BULB LOAD	1200W BULB LOAD	1600W BULB LOAD	8A	10.5A	16A	26A	34A
Isolation Transformer	Provided Inbuilt							
Crest Factor	03:01							
Output Waveform	Pure Sinusoidal							
THD (Linear Load)	< 3%							
THD (Non-Linear Load)	< 5%							
Overload	>100%,15 Second							
Inverter Efficiency	>85%							
Changeover Time	Battery to Mains	< 10ms						
	Mains to Battery	< 12ms						
Protections & Alarm	Over and under voltage Grid, Overload, Battery Low & High, Short Circuit, Over Temperature				Over and under voltage Grid, Overload, Battery Low & High, Short Circuit, Over Temperature			
Display Parameters	Input Voltage, Frequency, Battery - Voltage & Current				Over and under voltage Grid, Overload, Battery Low & High, Short Circuit, Over Temperature			
Grid Input Parameters								
Input Low Cut Voltage	90V ± 5V INV & 180V± 5V UPS MODE				120V ± 5V (SATEABLE)			
Input Low Recovery Voltage	> 100V ± 5V INV & 190V± 5V UPS MODE				> 130V ± 5V			
Input High Cut Voltage	290V ± 5V INV & 260V± 5V UPS MODE				270V ± 5V (SATEABLE)			
Input High Recovery Voltage	< 280V ± 5V INV & 250V± 5V UPS MODE				< 260V ± 5V			
Input Frequency Range	47Hz - 53Hz							
Battery Parameters								
Battery Low Buzzer	10.7V ± 0.2V Per Battery							
Battery Low Cut	10.5V ± 0.2V Per Battery							
Battery Flot	13.5V ± 0.2V Per Battery							
Battery Boost	14.5V ± 0.2V VPer Battery							
Display Parameters	LCD display for Input Voltage, Frequency, Battery - Voltage & Current							
Enclosure	IP 20							
Operating Temp.	0 to 40 Deg C							
Humidity	Up to 95% Rh (non-condensing)							
Cooling	Forced Air							
Noise	< 55 dB, distance 1 meter							
Dimensions in mm (L X W X H)	325X165X320		330X210X355		600x350x482	700x350x520	700x350x520	
Weight (Approx. Kgs.)	8.5 Kgs.	11 Kgs	16 Kgs	19 Kgs	35 Kgs	45 Kgs	68 Kgs	75 Kgs
Bypass Switch	Relay					SCR		
Wheels	Not Provided				Provided			



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