

BIS Certified Inverters



An ISO 9001, OHSAS 18001 Certified

Pure Sine Wave UPS Lead Acid & Lithium-Ion Battery Supported

Submersible
Pump Can Run

In the field of Inverter Technology, SunGarner 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 (Not applicable for Lithium-ion Battery)
- 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



Technical Specifications

Pure Sine Wave UPS Lead Acid & Lithium-Ion Battery Supported

Model No. (Lead Acid)	SK0512N	SK0712N	SK1112N	SK1724N	SK2224N	SK2524N	S3024N	SK3548N	SK5048N				
Model No. (LITHIUM-ION BATTERY)	SKL0512N	SKL0712N	SKL1112N	SKL1724N	SKL2224N	SKL2524N	SKL3024N	SKL3548N	SKL5048N				
Ratings	550VA	750VA	1100VA	1750VA	2200VA	2500VA	3000VA	3500VA	5000VA				
ONLY For Lithium-ion (No. of cells)	4S			8S			15S/16S						
Nominal DC	12V/12.8V			24V/25.6V			48V						
Switching Element	MOSFET												
Controller	DSP IC 32 BIT												
	Inverter Parameters												
Output Voltage	220V ± 8%, 1φ												
Output Frequency	50Hz ± 1												
Max Load (±5%)	400W BULB LOAD	600W BULB LOAD	800W BULB LOAD	1200W BULB LOAD	1600W BULB LOAD	8A	9.5A	11A	17A				
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												
Display Parameters	Input Voltage, Frequency, Battery - Voltage & Current												
	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 TYPE				LEAD ACID BATTERY					LITHIUM-ION BATTERY			
Battery Low Buzzer	10.7V ± 0.2V Per Battery				2.95V Per Cell					2.9V Per Cell			
Battery Low Cut	10.5V ± 0.2V Per Battery				N/A					3.55V Per Cell			
Battery Flot	13.5V ± 0.2V Per Battery												
Battery Boost	14.5V ± 0.2V VPer Battery												
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				
Weight (Approx. Kgs.)	6.5 Kgs.	7.5 Kgs.	8.5 Kgs.	11 Kgs	16 Kgs	19 Kgs	35 Kgs	45 Kgs					
Bypass Switch	Relay								SCR				
Wheels	Not Provided							Provided					

Weight & Dimension required

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