

## 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 hamessed 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



**550VA | 750VA | 1100VA | 1750VA | 2100VA | 2500VA | 3KVA | 3.5KVA | 5KVA | 7.5KVA | 10KVA**

[www.seltrik.com](http://www.seltrik.com)  
[www.sungarner.com](http://www.sungarner.com)

## 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				
Battery Low Cut	10.5V ± 0.2V Per Battery				2.9V Per Cell				
Battery Flot	13.5V ± 0.2V Per Battery				N/A				
Battery Boost	14.5V ± 0.2V VPer Battery				3.55V Per Cell				
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	

#### SUNGARNER ENERGIES LIMITED

##### Corporate & Factory :

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