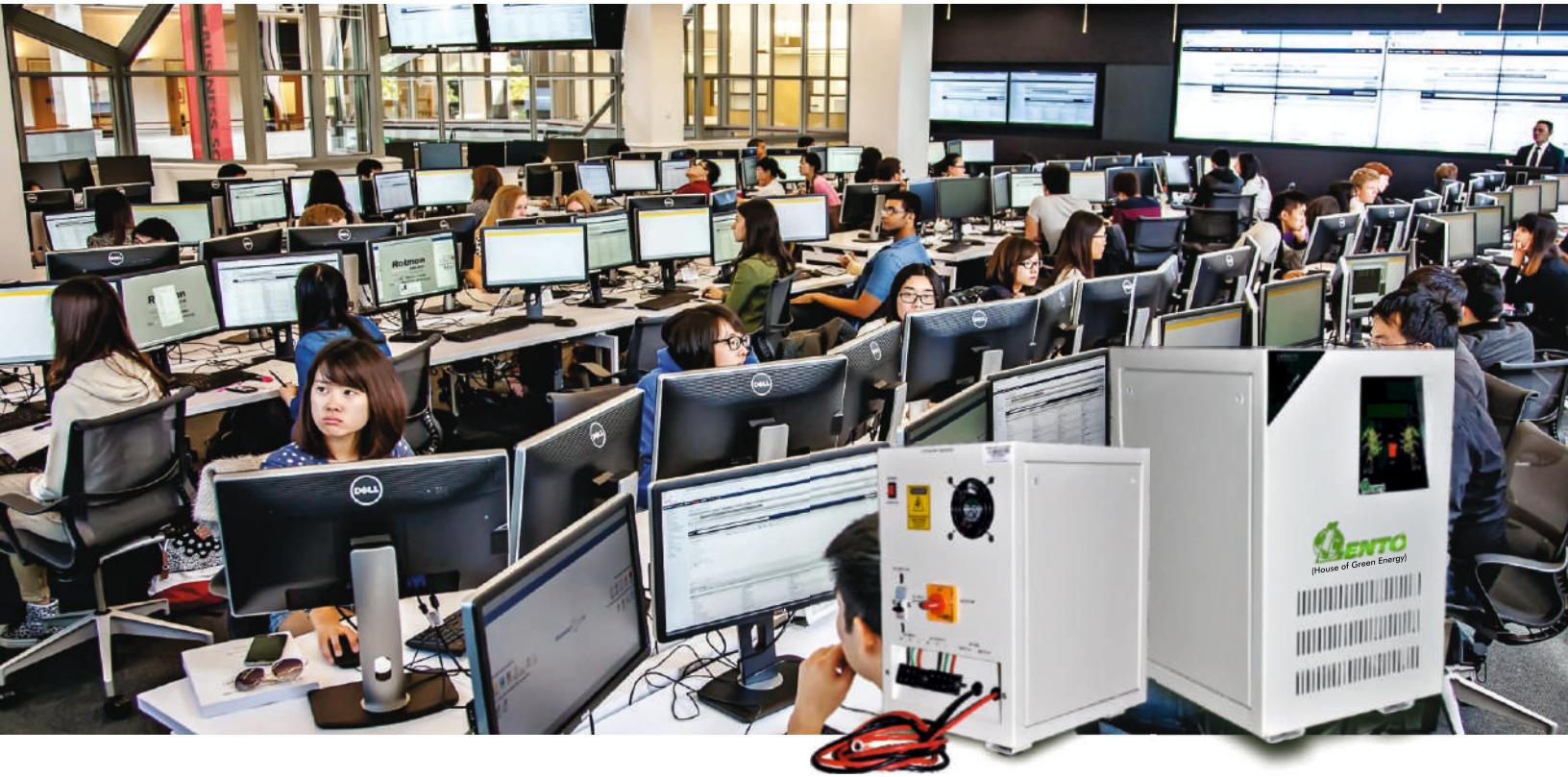


# SINE WAVE INVERTER

## SINGLE PHASE - INDUSTRIAL



Most appliances like LED Bulb, Fans, motor based equipments like air conditioners and pump sets are designed to work at Sine Wave 50Hz frequency. Running such equipments on unregulated quasi sine wave-square wave based inverters poses a risk in regards with performance and durability. Lento sine wave inverters are designed to provide stable 50Hz sine wave irrespective of load and battery voltage, making them the most suitable for inductive, capacitive and non-resistive loads. Importantly, our inverters and UPS are designed to deliver instantaneous high current during start up, especially in case of air conditioners and refrigerators, with safety cut out when battery voltage goes lower than a specified point to avoid brownouts and burning of motors.

### SALIENT FEATURES

- DSP Based Design with absolute and stable Sine Wave output voltage and frequency
- State of the art MOSFET based PWM technology with greater efficiency at lower cost with Dynamic Stability
- OverTemperature Protection
- Three stage solar charging (TSSC) suitable for all types of battery charging..
- Deep Discharge Battery charging from A.C. Mains.
- Monitoring/data logging feature for battery system information at user end through SNMP / GPRS (optional)
- Protection such as Mains MCB Trip, overload, short circuit, Battery low, over temperature indication with buzzer as well as display on LCD available.
- AC Mains available, battery charging /charged and its voltage indication provided on LCD display.
- Grid charging enable /disable options which makes it fully compatible with solar (Optional).
- Selectable battery charging current (High /Low).
- Fast change over in UPS mode makes computer compatible .
- Comprehensive LCD Display

**2.5 KVA | 3 KVA | 3.5 KVA | 5 KVA | 7.5 KVA | 10 KVA | 12 KVA**

Toll Free No. 1800-313-0746

[www.lentoindia.com](http://www.lentoindia.com)

# SINE WAVE INVERTER

## SINGLE PHASE - INDUSTRIAL



### Technical Specifications

Model Name	Eco-Star 3000	Eco-Star 3500	Eco-Star 4000	Eco-Star 6000	Eco-Star 6000	Eco-Star 8500	Eco-Star 12000	Eco-Star 15000
System Rating	2.5 KVA	3 KVA	3 KVA	5 KVA	5 KVA	7.5 KVA	10 KVA	12 KVA
Operating DC Voltage	36V & 48V	36V & 48V	48V	48V	96V	96V & 120V	120V & 180V	192V
No. Load battery Current					≤ 2.2A			
Max. O/P No. Load Voltage		220V ± 5V				230V ± 5V		
Max. Full Load Voltage			220V ± 7%			230V ± 10%		
Max. Load Battery Current Max.	<63 & 46Amp.	<63 & 54Amp.	<63Amp.	<106Amp.	<49Amp.	<71 & 65Amp.	<76 & 53Amp.	<62Amp.
Full Load O/P Current	8.5±0.7Amp.	9.5±0.7Amp.	10.5±0.7Amp.	17±0.5Amp.	17±0.5Amp.	27±0.5Amp.	34±0.5Amp.	38±0.5Amp.
Overload Retry					6 Times			
Output Frequency (Inverter Mode)					50.0±1.0Hz			
Batt Low Voltage Alarm					10.5V±0.2V/Batt.			
Batt Low Voltage Cut					10.0V±0.2V/Batt.			
<b>MAINS MODE</b>								
Mains Low Cut				115V±10V				
Recovery		100V±10V			125V±10V		125V±10V	
Mains High Cut		110V±10V			280V±10V		135V±10V	
Recovery				275V±10V				
Change Over time (Mains to Inverter)				<50 ms.				
Change Over time (Inverter to Mains)				<10 ms.				
Battery Low Retry				4 Times				
Short Circuit, Retry				OK, 1 Time				
Permanent Short Circuit Protection				Yes				
<b>UPS MODE</b>								
Mains Low Cut				180V±5V				
Recovery				190V±5V				
Mains High Cut				260V±5V				
Recovery				255V±5V				
Change Over time (Mains to UPS)				<10 ms.				
Change Over time (Inverter to UPS)				<10 ms.				
<b>MAINS MODE</b>								
Max. Charging Current		20V±2Amp.		25V±1Amp.		20±2Amp.		
Boost Charging Voltage				14.2V / Batt.				
<b>WEIGHT AND DIMENSTIONS</b>								
Dimension (LXWXH) ±20 mm	515*420*595	515*420*595	515*420*595	515*420*640	515*420*640	515*420*640	505*470*660	505*470*660
Net Weight ±0.5 Kg	29.00	29.00	31.50	45.50	46.50	50.50	77.50	83.50
Gross Weight ±0.5 Kg	36.50	36.50	39.00	54.00	55.00	59.00	86.00	92.00

### LENTO INDUSTRIES PVT. LTD.

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