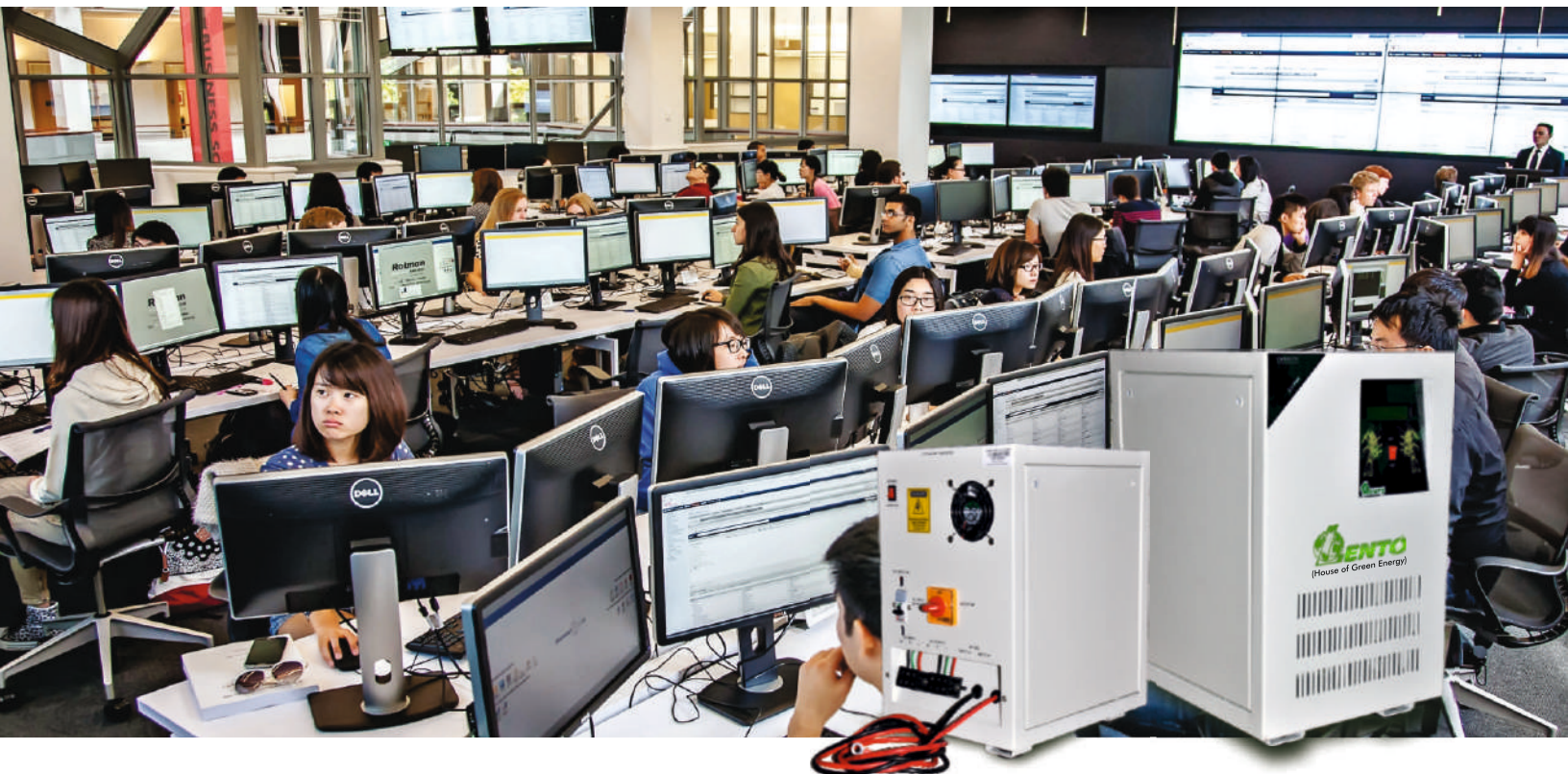


SINE WAVE INVERTER

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 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 then a specified point to avoid brownouts and burning of motors.

SALIENT FEATURES

- DSP Based Design with absolute and stable SineWave 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 batter system information at user end through SNMP / GPRS (optional)
- Protection such as Mains MCBTrip, 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

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SINE WAVE INVERTER

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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.							
MAINS MODE								
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							
UPS MODE								
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.							
MAINS MODE								
Max. Charging Current	20V±2Amp.			25V±1Amp.		20±2Amp.		
Boost Charging Voltage	14.2V / Batt.							
WEIGHT AND DIMENSTIONS								
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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