



Applications

- Power Back-up for House hold, Small shops, Small offices etc.
- Small Water pumps and all motor based small applications
- TV Sets, Fans, Tube Lights, computers etc.

DSP Sine Wave Home UPS & Inverter Series

Salient Features & Comparison with Other available Brands

Features	Other Brands	Lento
Intelligent Battery Charger for Deep Discharged Battery.	No	Yes
More Back-up being a sine wave UPS (ASIC Control)	Yes	Yes
No humming Noise (Silent UPS)	No	Yes
Selector Switch for Normal/UPS	Yes	Yes
Advance Battery Management for longer battery life and prevent battery from overcharging	Yes	Yes
Comprehensive LCD Display to show all system parameters	No	Yes
Sine Wave Output even on CFL like load	No	Yes
DSP based which results proper control on voltage and current	No	Yes
Field Failure Ratio (Less than 1%) The most reliable product of Industry in India as per industry feedback	No	Yes

PRODUCT DESCRIPTION

Lento pioneered Pure Sine wave technology in its inverters, UPS and power supplies. Our Sine wave inverters delivers stable output frequency and voltage, mimicking mains power supply, making it perfectly suitable to power expensive equipments, especially inductive loads that do not work well on square waves.

Other products in markets delivers distorted output waveforms particularly on normally encountered loads like Compact Fluorescent Lamp (CFL), Tube Lights, Motors, Air Coolers, and Computers etc. This Distorted waveform is harmful for almost all the home appliances. Lento DSP Sinewave Home UPS & Inverter delivers quality output with reliable performance at a reasonable price. Lento DSP based Sine wave inverters & UPS are specialized in providing clean and stable power supply to all connected appliances and equipments.



TECHNICAL SPECIFICATIONS OF HOME UPS

PARAMETERS/CHECKS	MODELS				
	DSP				
Discharging Mode	650VA - 12V	850VA - 12V	1050VA - 12V	1450VA - 24V	2000VA - 24V
Maximum No Load Current @ Full Charge Battery	≤2.2A		≤2.4A	≤2.2A	
O/P Voltage @ No Load	220V ± 7V				
Full Load Battery Current	41A. ± 2A.	53A. ± 2A.	62A. ± 2A.	46A. ± 2A.	62A. ± 2A.
O/P Voltage @ Full Load	180–220V				
Over Load Protection	>43A	>55A	>64A	>48A	>64A
Battery Low Alarm	10.6 ± 0.2V				
Battery Low Protection	10.4 ± 0.2V				
Short Ckts Protection (One Retry)	OK				
INV Out Put Frequency	50.0Hz ± 0.5Hz				

UPS MODE

Input Voltage Range	180 – 260V
Low Cut Voltage	180V ± 10V
Low Cut Voltage Recovery	190V ± 10V
High Cut	260V ± 10V
High Cut Recovery	255 V ± 10 V
Maximum Change Over Time	< 10ms

NORMAL MODE

Input Voltage Range	100 – 280V
Low Cut Voltage	100V ± 10V
Low Cut Voltage Recovery	110V ± 10V
High Cut	280V ± 10V
High Cut Recovery	270V ± 10V
Maximum Change Over Time	< 40ms

CHARGING MODE

Charging Current @ 220VAC (NC)	10A ± 1A	11A ± 1A	10A ± 1A	11A ± 1A
Charging Current @ 220vac (HC)	12A ± 1A	14A ± 1A	12A ± 1A	14A ± 1A
Boost Charging Voltage Per Battery (HC/NC)	14.5V/14.0 ± 0.2V			
Float Charging Voltage Per Battery	13.6V ± 0.2V			
Short Circuit	OK			

PROTECTION

Over Load Auto Retries	6times
Battery Voltage Low (Auto Retries)	4times

WEIGHT & DIMENSIONS

Model	650VA	850VA	1050VA	1450VA	2KVA
Capacity	650VA 12VDC	850VA 12VDC	1KVA 12VDC	1450VA 24VDC	2KVA 24VDC
Dimensions	340x330x185mm	340x330x190mm	340x330x205mm	430x400x240mm	450x440x250mm
Net Weight	9.1Kg	9.95Kg	11.2Kg	17.25Kg	19Kg
Gross Weight	9.8Kg	10.80 Kg	12Kg	18.6Kg	21Kg



(House of Green Energy)

Lento Industries Private Limited, India 

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