

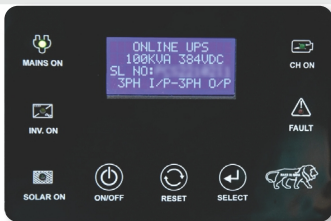
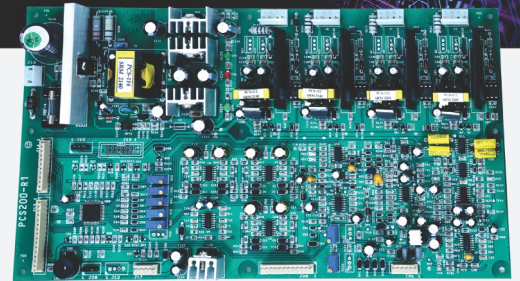
# An Unbeatable LENTO ONLINE UPS

For power protection and back-up power, Designed and manufactured in **India**.

Range: 2KVA to 100 KVA (1Φ-1Φ / 3Φ-1Φ / 3Φ-3Φ)

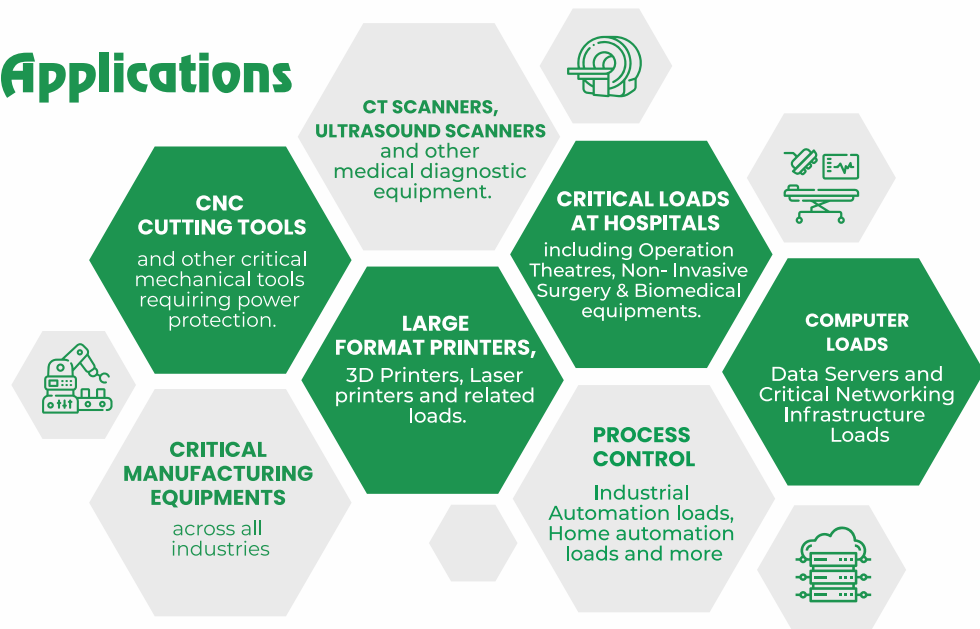
**A unique technology solution** - Common / Standardised PCBs used for all capacities of Online UPS Systems.

Developed by our in-house R&D team, we are the pioneers in the development of a **high-quality** and **high-reliability** common PCB, which can be programmed at the microcontroller level and used for all capacities of Online UPS Systems, ranging from **2KVA** to **100 KVA**.



**LENTO ONLINE UPS** are specifically designed to provide back-up power and protection to all kinds of mission critical loads. Total excellence is achieved through continued process of research, development and testing by our in-house technical development teams. So, when complete power protection and continuous power duty is required, Lento Online UPS match your needs.

## Applications



## Salient Features

- Pure Sinewave Online Power Conditioner
- Configuration as a frequency converter
- Compatible with Diesel Generators
- Advanced Microcontroller Based Design
- Bidirectional static switch for redundant systems
- Optional SNMP monitoring capability
- High frequency IGBT inverter
- Active Power Factor
- User Friendly LCD Display Panel

## LENTO INDUSTRIES PVT. LTD.

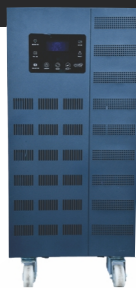
Registered office : 05, Ground Floor, Plot No. 556,  
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# Technical Specifications Lento Online UPS Systems

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Make	LENTO SYSTEM 1Φ-1Φ	LENTO SYSTEM 3Φ-1Φ	LENTO SYSTEM 3Φ-3Φ
Phase (Input – Output)	1Φ-1Φ	3Φ-1Φ	3Φ-3Φ
Output Power Rating	2/3/4/5/6/7.5 KVA	7.5/10/15/20/25/30/40 KVA	7.5/10/15/20/25/30/45/60/80/100 KVA
<b>INPUT</b>			
Input Voltage	230 V ± 1% Single Phase AC	415±15% in Three Phase AC	415±15% in Three Phase AC
Input Frequency	50 ± 3Hz	50 ± 3Hz	50 ± 3Hz
Power Factor	0.8	0.8	0.8
<b>OUTPUT</b>			
Nominal Output Voltage	230 V ± 1% Single Phase AC	230 V ± 1% in Single Phase AC	400V /415± 1% in Three Phase AC
Output Voltage Regulation	± 1 %	± 1 %	± 1 %
Crest Factor	03:01	03:01	03:01
Total Harmonic Distortion	For Linear Loads ≤5% for Linear Loads ; ≤8% for Non Linear Loads		
Frequency	50 Hz	50 Hz	50 Hz
Frequency Stability	± 1%	± 1%	± 1%
Output Wave Form	Sinusoidal	Sinusoidal	Sinusoidal
Over Load at 0.8 P.F	125 % for 10 Minutes / 150% for 1 Minute		
<b>BATTERY/CHARGER</b>			
Charger Type	IGBT Based	IGBT Based	SCR Based
Nominal Float Voltage	48/72/120/192 VDC, Based on capacity	192/240/360/384 VDC, Based on capacity	192/240/360/384 VDC, Based on capacity
Recharge Time	8-10 Hours for 100 % Recovery		
By Pass Switch	External (optional)		
<b>PROTECTIONS</b>			
Charger	Input Circuit Breaker (MCCB), Charger Over Voltage, Charger Over Current Limit.		
Battery	Battery Low cut-off, Current Limit, MCCB Protection, Battery Over Charge Trip.		
Inverter	Output Over Voltage, Under Voltage Trip, Current Limit, Short Circuit Protection.		
<b>MONITORING &amp; DISPLAY FUNCTIONS</b>			
Indications	Mains On, Inverter On, Charger On, Fault.		
Display	Alpha-numeric Display, Input Voltage, Output Voltage, Output Load Current, Battery Voltage, Output Frequency, Fault		
Fault Indications	Battery Low, Overvoltage, Overload		
Switches	Inverter ON/OFF, Reset, Display Select Switch.		
<b>ENVIRONMENTAL</b>			
Operating Temperature	0 to 40 °C / 32 to 104 °F	0 to 40 °C / 32 to 104 °F	0 to 40 °C / 32 to 104 °F
Humidity	95 % RH Maximum, Non-condensing		

Note: Due to continuous design, improvements and updates, any of the given technical Specifications, mechanical dimensions, technology of the circuits, features of the Products may change without prior information