

## Power Solutions that empower and protect your business...



Luminous Online UPS with isolation are power packed work horses designed to protect your mission critical applications and equipment from downtime, data loss, corruption and power outages that hamper your productivity and cripple your equipment. LDT series is equipped with state of the art technology and a range of features that includes Isolation Transformer, Input Power Factor Correction and Eco Mode for energy saving to ideally work in a harsh environment. Design innovation coupled with a quality and customer centric attitude is what enabled Luminous to be adjudged as a Super Brand in 2016 once again.

### KEY APPLICATIONS

- IT systems and equipment (computers, printers, monitors etc.).
- Process controls, testing & measuring instruments.
- Medical, electronic health-care equipment & Life-support systems in hospitals.
- Safety systems in power stations.
- Audio-Visual equipment.
- Bank branches - ATM's

### KEY FEATURES

- True double-conversion
- Micro-processor control optimizes reliability
- Input power factor correction
- Wide input voltage (110 V – 280 V)
- ECO mode for energy saving
- Generator compatible
- Wide temperature application (0-50°C)
- Built-in isolation transformer at output
- Comprehensive display allows easy monitoring and access of UPS status



MODEL	LD1000T	LD2000T	
DESCRIPTION	Online UPS with Isolation		
PHASE	Single phase with ground		
CAPACITY	1000 VA / 800 W	2000 VA / 1600 W	
INPUT	200/208/220/230/240VAC		
Nominal Voltage	200/208/220/230/240VAC		
Voltage Range	Low Line Transfer	160 VAC / 140 VAC / 120 VAC / 110 VAC $\pm$ 5 % ( based on load percentage 100% - 80 % / 80 % - 70 % / 70 - 60 % / 60 % - 0)	
	Low Line Comeback	175 VAC / 155 VAC / 135 VAC / 125 VAC $\pm$ 5 % ( based on load percentage 100% - 80 % / 80 % - 70 % / 70 - 60 % / 60 % - 0)	
	High Line Transfer	300 VAC	
	High Line Comeback	290 VAC	
Frequency Range	40Hz ~ 70 Hz		
Power Factor	$\leq$ 0.99 @ Nominal Voltage (100% load)		
<b>OUTPUT</b>			
Output Voltage	200/208/220/230/240VAC		
Voltage Regulation	$\pm$ 1%		
Frequency Range (Synchronized Range)	47~ 53 Hz or 57 ~ 63 Hz		
Frequency Range (Batt. Mode)	50 Hz or 60Hz $\pm$ 0.1 Hz		
Current Crest Ratio	3:1		
Harmonic Distortion	$\leq$ 3 % THD (Linear Load), $\leq$ 5 % THD (Non-linear Load)		
Transfer Time	AC to DC	Zero	
	Inverter to Bypass	4 ms (Typical)	
Waveform (Batt. Mode)	Pure Sinewave		
<b>EFFICIENCY</b>			
To AC Mode	85% max		
To Battery Mode	80% max		
<b>BATTERY</b>			
Long-run Model*	Battery Type	SMF & Tubular ( Depending on applications)	
	Numbers	3	8
	Charging Current (max.)	2A/4A/8A/12A (Adjustable, up to 12A)	2A/4A/8A/10A (Adjustable, up to 10A)
	Charging Voltage	41.0 VDC $\pm$ 1%	109.4 VDC $\pm$ 1%
<b>INDICATORS</b>			
LCD	Load level, Battery level, AC mode, Battery mode, Bypass mode, and Fault indicators		
<b>ALARM</b>			
Battery Mode	Sounding every 4 seconds		
Low Battery	Sounding every second		
Overload	Sounding twice every second		
Fault	Continuously sounding		
<b>PHYSICAL</b>			
Dimension, D x W x H (mm)	282 x 145 x 332	397 x 145 x 332	
Net Weight (kgs)	14	21	
<b>ENVIRONMENT</b>			
Humidity	0-90 % RH @ 0- 50°C (non-condensing)		
Noise Level	Less than 55dBA@1 meter		
<b>MANAGEMENT</b>			
Smart RS-232/USB	Supports Windows 2000/2003/XP/Vista/2008/7/8, Linux, Unix, and MAC		
Optional SNMP Card	Power management from SNMP manager and web browser		

\* Load Derating : 0-40°C@full load / 40-50°C@80% load

\*\* Derate to 80% of capacity in Frequency converter mode and to 80% when the output voltage is adjusted to 200/208VAC

\* Product specifications are subject to change without any prior notice

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