



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 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

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



MODEL		LD1000T	LD2000T	LD3000T
DESCRIPTION		Online UPS with Isolation		
PHASE		Single phase with ground		
CAPACITY		1000 VA / 800 W	2000 VA / 1600 W	3000 VA / 2400 W
INPUT				
Nominal Voltage		200/208/220/230/240VAC		
Voltage Range	Low Line Transfer	160 VAC / 140 VAC / 120 VAC / 110 VAC ± 5 % (based on load percentage 100% - 80 % / 80 % - 70 % / 70 - 60 % / 60 % - 0)		
	Low Line Comeback	175 VAC / 155 VAC / 135 VAC / 125 VAC ± 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		≤ 0.99 @ Nominal Voltage (100% load)		
OUTPUT				
Output Voltage		200/208/220/230/240VAC		
Voltage Regulation		± 1%		
Frequency Range (Synchronized Range)		47~ 53 Hz or 57 ~ 63 Hz		
Frequency Range (Batt. Mode)		50 Hz or 60Hz ± 0.1 Hz		
Current Crest Ratio		3:1		
Harmonic Distortion		≤3 % THD (Linear Load), ≤ 5 % THD (Non-linear Load)		
Transfer Time	AC to DC	Zero		
	Inverter to Bypass	4 ms (Typical)		
Waveform (Batt. Mode)		Pure Sinewave		
EFFICIENCY				
To AC Mode		85% max		
To Battery Mode		80% max		
BATTERY				
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 ±1%	109.4 VDC ±1%	
INDICATORS				
LCD		Load level, Battery level, AC mode, Battery mode, Bypass mode, and Fault indicators		
ALARM				
Battery Mode		Sounding every 4 seconds		
Low Battery		Sounding every second		
Overload		Sounding twice every second		
Fault		Continuously sounding		
PHYSICAL				
Dimension, D x W x H (mm)		282 x 145 x 332	397 x 145 x 332	397 x 145 x 332
Net Weight (kgs)		14	21	23
ENVIRONMENT				
Humidity		0-90 % RH @ 0- 50°C (non-condensing)		
Noise Level		Less than 55dBA@1 meter		
MANAGEMENT				
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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