



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	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)		
OUTPUT	200/208/220/230/240VAC		
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		
EFFICIENCY	85% max		
To AC Mode	85% max		
To Battery Mode	80% max		
BATTERY	SMF & Tubular (Depending on applications)		
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%
INDICATORS	Load level, Battery level, AC mode, Battery mode, Bypass mode, and Fault indicators		
LCD	Load level, Battery level, AC mode, Battery mode, Bypass mode, and Fault indicators		
ALARM	Sounding every 4 seconds		
Battery Mode	Sounding every second		
Low Battery	Sounding twice every second		
Overload	Continuously sounding		
Fault			
PHYSICAL	282 x 145 x 332		
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	0-90 % RH @ 0- 50°C (non-condensing)		
Humidity	Less than 55dBA@1 meter		
Noise Level			
MANAGEMENT	Supports Windows 2000/2003/XP/Vista/2008/7/8, Linux, Unix, and MAC		
Smart RS-232/USB	Power management from SNMP manager and web browser		
Optional SNMP Card			

* 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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Driven by Excellence, Powered by Innovation.



Luminous LD6000T and LD10000T UPS are designed specifically to cater to the backup power requirements of the SMB and Enterprise segment. This innovative line of power backup units are equipped with galvanic isolation design to withstand all kinds of load and have fully coated PCBAs to ensure optimum performance in harsh environments. The LDT series is the ideal choice for enterprises specializing in the medical and print domains.

Features

- Galvanic isolation design to withstand all kinds of load
- Unique ventilation design for effective heat dissipation
- Fully coated PCBAs to optimally work in harsh environments
- High short-circuit and overload capabilities
- Wide input voltage and frequency range to ideally work in harsh environments
- Built-in Maintenance bypass switch
- Output power factor 0.8

MODEL	LD6000T	LD10000T
PHASE	Single phase with ground	
Capacity	6KVA/4.8KW	10KVA/8KW
INPUT		
Nominal Voltage	208VAC/220VAC/230VAC	
Voltage Range	165VAC ~ 285VAC @ 16 pcs of batteries 185VAC ~ 285VAC @ 18 pcs of batteries	
Frequency Range	40Hz ~ 55Hz @ 50Hz system 56Hz ~ 64Hz @ 60Hz system	
OUTPUT		
Output Voltage	208VAC/220VAC/230VAC	
Voltage Regulation	± 1%	
Frequency Range (Synchronized Range)	45~55Hz or 56~64Hz	
Frequency Range (Batt. Mode)	50Hz ± 0.1Hz or 60Hz ± 0.1Hz	
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	zero
Waveform (Batt. Mode)	Pure Sine Wave	
EFFICIENCY		
AC Mode	88%	
Battery Mode	92%	
BATTERY		
Numbers	16 pcs (192VDC)	
Charging Current (max.)	Default: 8A ± 10%; Max 2A, 4A, 8A (Adjustable)	
Charging Voltage	218.4V ± 1%	
INDICATORS		
LCD Panel	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)	562 x 250 x 830	
Net Weight (kgs)	62	86
ENVIRONMENT		
Operating Temperature	0 ~ 50°C (battery life cycle will be shorter when temperature is above 25°C)	
Operating Humidity	<95% and non-condensing	
Noise Level	Less than 60dB @ 1 Meter	
MANAGEMENT		
Smart RS-232/USB	Supports Windows® 2000/2003/XP/Vista/2008/7/8/10, Unix, Linux and MAC	
Dry Contact	Five signals: AC failure, low battery, UPS alarm, bypass and UPS fault	
Optional SNMP	Power management from SNMP manager and web browser	

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