



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 (battrey 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	

* Product specifications are subject to change without further notice

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