

Online UPS Systems

LUMINOUS
Jis Pe Desh Kare Bharosa



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LD1000/2000/3000

Saves your data and protects your hardware

Luminous online UPS delivers continuous power supply and keeps your computer and essential equipment protected during power cuts. Its longer battery life and faster charging ensure a hassle free working of your computer

Features/Benefits

- ◆ Input Power Factor Corrector (PFC)
- ◆ Automatic bypass in case of overload or internal fault
- ◆ Constant current & constant voltage charger
- ◆ Cold Start: the unit can start on battery
- ◆ Automatic restart after short-circuit
- ◆ Built in OVCD: withstand up to 450V AC input without damage

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Specifications

MODEL		LD1000	LD2000	LD3000
CAPACITY*		1000 VA / 800 W	2000 VA / 1600 W	3000 VA / 2400 W
INPUT				
Voltage Range	Low Line Transfer	160VAC/140VAC/120VAC/110VAC $\pm 5\%$ (based on load percentage 100% 80%/80% 70%/70 60%/60% 0)		
	Low Line Comeback	175VAC/155VAC/135VAC/125 VAC $\pm 5\%$ (based on load percentage 100% 80%/80% 70%/70 60%/60% 0)		
	High Line Transfer	300 VAC $\pm 5\%$		
	High Line Comeback	290 VAC $\pm 5\%$		
Frequency Range		40Hz - 70Hz		
Phase		Single phase with ground		
Power Factor		≥ 0.99 @ nominal voltage (input voltage)		
OUTPUT				
Output Voltage		200/208/220/230 (Default)/240VAC		
AC Voltage Regulation		$\pm 1\%$ (Batt. Mode)		
Frequency Range (Synchronized Range)		47 - 53 Hz or 57 - 63 Hz		
Frequency Range (Batt. Mode)		50 Hz ± 0.25 Hz or 60Hz ± 0.3 Hz		
Overload		100% - 110% audible warning 110% 130%: UPS shuts down in 60 seconds at battery mode or transfer to bypass when the utility is normal > 130%: UPS shuts down immediately at battery mode or transfer to bypass mode when the utility is normal		
Current Crest Ratio		3:1		
Harmonic Distortion		$\leq 3\%$ THD (linear load) $\leq 6\%$ THD (non-linear load)		
Transfer Time	AC Mode to Batt. Mode	Zero		
	Inverter to Bypass	4 ms (Typical)		
Waveform (Batt. Mode)		Pure Sinewave		
EFFICIENCY				
AC Mode		86%	90%	
Battery Mode		83%	86%	87%
BATTERY				
Battery Voltage		36V	72V	
Charging Current		1.0A/2.0A/4.0A/6.0A (Default) $\pm 10\%$		
Charging Voltage		41.0 VDC $\pm 1\%$	82.1 VDC $\pm 1\%$	82.1 VDC $\pm 1\%$
PHYSICAL				
Dimension-D X W X H (mm)		397 X 145 X 220		419 X 190 X 318
Net Weight (kgs)		7	13	13
ENVIRONMENT				
Operation Humidity		20-90% RH @ 0 40°C (non-condensing)		
Noise Level		Less than 50dBA @ 1 Meter		
MANAGEMENT				
Smart RS-232 or USB		Supports Windows® 2000/2003/XP/Vista/2008/7, Linux, Unix and MAC		
Optional SNMP		Power management from SNMP manager and web browser		

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

** Product specifications are subject to change without further notice.



LUMINOUS

Luminous, a global leader was founded in 1988. Since then, it has been a pioneer in setting trail blazing standards of technical excellence to deliver the best. The company enjoys a strong presence in over 32 countries. Over the years, Luminous has encompassed all domains in back-up power solutions.

Luminous has pioneered breakthrough innovations in Power Back-up, Power Storage, Distributed Power Generation, Renewable & Alternate Energy Solutions.

Luminous, with a parentage of Global Specialist in Energy Management understands electricity for which it can aptly be called a "Power Specialist Company"

Luminous has expanded its expertise and experience into home electrical to provide safety & lifestyle. Luminous envisions getting to every house-hold through electrical wires, protection devices, wiring accessories and fans to improving the life of each consumer by delivering safety and lifestyle. The state-of-the-art, innovative range of Luminous products conforms to international benchmarks of quality and reliability. Trust Luminous for a safe & trendy lifestyle. Luminous has been the recipient of many prestigious awards including the Super Brand Award for 2011.



Luminous Power Technologies Pvt. Ltd.
 C8 & C9, Community Centre, Janakpuri, New Delhi-110058 (INDIA),
 Phone: +91-11-40778221/222, Fax: +91-11-25558912,
www.luminousindia.com