

Online UPS Systems

LUMINOUS

Luminous founded in 1988, is one of the pioneers and global leaders in the field of power technology. Luminous has constantly set international benchmarks in terms of quality, innovation and technical excellence to deliver the best. The company has a global presence in 32 countries and provides specialized back-up power solutions across all domains.

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

Luminous with its expertise in electricity and back-up power solutions is called a "Power Specialist Company" and is parented by a Global Specialist in the Energy Management domain.

Luminous with its unique expertise and rich experience in back-up power solutions has also diversified into the home electrical domain. Luminous now provides every household with electrical wiring, protection devices, wiring accessories and fans which conform to international standards of safety, reliability and quality to enhance the lifestyle of each consumer. Luminous has been the recipient of numerous prestigious awards including the 2016 Super Brand Award. The innovative, state of the art Luminous product range instils trust by delivering safe, reliable solutions that are miles ahead of the rest.



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Online UPS Systems



Power Solutions for Better Productivity

Saves Your Data, Protects Your Hardware & Critical Applications

Luminous Online UPS protects your mission critical applications from downtime, data loss and corruption that inevitably hamper your productivity. The Luminous Online UPS range is designed to fit perfectly into any given environment where uninterrupted power feed is required to secure and ensure continuous operations.

Key Features

- True double-conversion Online UPS
- Microprocessor control for higher reliability
- Input power factor correction
- Wide input voltage range (110 V – 300 V)
- Generator compatible
- Selectable charging current - allows flexibility to add any battery size
- Automatic bypass
- Emergency Power Off (EPO)

Key Applications

- IT & Networking Environments
- Server Closets/Small Data Centers
- Wiring Closets
- Enterprise Server
- ATM & Remote Branch
- Industrial Applications*

* To be installed in a room which is free from humidity, chemical fumes, heat, vibrations etc.

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Specifications

MODEL	LD1000	LD2000	LD3000	LD6000	LD10000
PHASE	Single phase with ground				
CAPACITY (Max)	1000VA / 800W	2000VA / 1600W	3000VA / 2400W	6000VA / 4800W	10000VA / 8000W
INPUT					
Nominal Voltage	200/208/220/230 (Default) /240VAC			208/220/230/240VAC	
Input Voltage Range	110-300 VAC (Based on load at 50%)			110-300 VAC (Based on load at 50%)	
	160-280 VAC (Based on load at 100%)			176-300 VAC (Based on load at 100%)	
Frequency Range	40Hz - 70Hz			46Hz-54Hz or 56Hz-64Hz	
Power Factor	≥ 0.99 @ Nominal Voltage (100% load)				
OUTPUT					
Output Voltage	200/208/220/230 (Default) /240VAC			208/220/230/240VAC	
Voltage Regulation	1% (Batt.Mode)				
Frequency Range (Synchronized Range)	47Hz-53Hz or 57Hz - 63Hz			46Hz-54Hz or 56Hz-64Hz	
Frequency Range (Batt. Mode)	50Hz ±0.25Hz or 60Hz ± 0.3 Hz			50Hz or 60Hz ± 0.1Hz	
Current Crest Ratio	3:1				
Harmonic Distortion	≤3 % THD (Linear Load)			≤3 % THD (Linear Load)	
	≤6 % THD (Non-linear Load)			≤5 % THD (Non-linear Load)	
Waveform (Batt. Mode)	Pure Sinewave				
EFFICIENCY					
AC Mode	88%	88%	90%	92%	93%
Battery Mode	83%	87%	88%	90%	91%
BATTERY					
Long-run Model	Battery Type	VRLA			
	Numbers	3	6	6	16
	Charging Current	1A/2A/3A/4A/6A ± 10% (Selectable) for all models			
INDICATORS					
LCD	Load level, Battery level, AC mode, Battery mode, Bypass mode, and Fault indicators				
ALARM					
Battery Mode	Every 4 seconds				
Low Battery	Every second				
Overload	Twice every second				
Fault	Continuous sound				
PHYSICAL					
Dimension, D x W x H (mm)	282x145x220	397x145x220	397x145x220	369 x 190 x 318	442 x 190 x 318
Net Weight (kgs)	4.1	6.8	7.4	12	16
ENVIRONMENT					
Humidity	20-95% RH @ 0-40°C (non-condensing)			0-95% RH @ 0-50°C (non-condensing)	0-95% RH @ 0-40°C (non-condensing)
Noise Level	50dBA @ 1 Meter			55dBA @ 1 Meter	58dBA @ 1 Meter
MANAGEMENT					
Smart RS-232/USB	Supports Windows 2000/2003/XP/Vista/2008/7/8, Linux, Unix, and MAC				
SNMP Card Slot	Supports optional SNMP card for Power Management via SNMP manager/Web-browser				

Also available, long back up model LD2000 Plus with 12 Amp charger & inbuilt SNMP card. Product specifications are subject to change without further notice.