

LD1000IN / 2000IN / 3000IN

Versatile Backup Power Solutions

Online UPS for standard backup time

Luminous LDIN Series – 1/2/3 KVA Online UPS with internal battery are a technologically driven range of models that provide safe power to your critical applications and protect your sensitive equipment from downtime, data loss and corruption that inevitably hamper your productivity.



Key Applications

- Computers, Servers, Peripherals & Networking Switches
- Gaming Parlours & ATM's
- Professional AV Equipment & Home Theatres
- Music Recording Studios
- Workstations & Design Studios

Features

- True double-conversion
- Microprocessor control for optimal reliability
- Input power factor correction
- Output power factor 0.8
- Wide input voltage (110 V – 300 V)
- ECO mode for additional energy saving
- Generator compatible

LD1000IN / 2000IN / 3000IN

MODEL	LD1000IN	LD2000IN	LD3000IN	
PHASE	Single phase with ground			
INPUT				
Capacity	1000 VA / 800 W	2000 VA / 1600 W	3000 VA / 2400 W	
Voltage Range	Low Line Transfer	160 / 140 / 120 / 110 VAC \pm 5% (based on load percentage 100% - 80% / 80% - 70% / 70% - 60% / 60% - 0)		
	Low Line Comeback	175 / 155 / 135 / 125 VAC \pm 5% (based on load percentage 100% - 80% / 80% - 70% / 70% - 60% / 60% - 0)		
	High Line Transfer	280 VAC \pm 5%		
	High Line Comeback	270 VAC \pm 5%		
Frequency Range	40 ~ 70 Hz			
Power Factor	\geq 0.99 @ Normal Voltage (Input Voltage)			
OUTPUT				
Output Voltage*	200 / 208 / 220 / 230 / 240 VAC			
AC Voltage Regulation	\pm 1% (Batt. Mode)			
Frequency Range (Synchronized Range)	47~ 53 Hz or 57 ~ 63 Hz			
Frequency Range (Batt. Mode)	50 Hz \pm 0.25 Hz or 60 Hz \pm 0.3 Hz			
Overload	100%~110%:audible warning, 110%~130%:UPS shut 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 to DC	Zero		
	Inverter to Bypass	4 ms (Typical)		
Waveform (Batt. Mode)	Pure Sinewave			
EFFICIENCY				
AC Mode	86%	90%		
Battery Mode	83%	86%	87%	
BATTERY				
Standard Model	Battery Type & Numbers	12 V / 7 AH X 3	12 V / 7 AH X 6	12 V / 9 AH X 6
	Charging Current (max.)	1.0A (max)		
	Charging Time	4 hours recover to 90% capacity (Typical)		
	Charging Voltage	41.0 VDC \pm 1%	82.1 VDC \pm 1%	
INDICATORS				
LCD or LED	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				
Standard Model	Dimension, D X W X H (mm)	397 x 145 x 220	419 x 190 x 318	
	Net Weight (kgs)	11.8	23.9	27.1
ENVIRONMENT				
Humidity	20-90 % RH @ 0- 40°C (non-condensing)			
Noise Level	Less than 50dBA @ 1 Meter			
MANAGEMENT				
Smart RS-232/USB	Supports Windows 2000/2003/XP/Vista/2008/7/8, Linux, Unix, and MAC			
Optional SNMP	Power management from SNMP manager and web browser			

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

* Product specifications are subject to change without further notice



For more information

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