

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



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 ± 5% (based on load percentage 100% - 80% / 80% - 70% / 70% - 60% / 60% - 0)		
	Low Line Comeback	175 / 155 /135 / 125 VAC ± 5% (based on load percentage 100% - 80% / 80% - 70% / 70% - 60% / 60% - 0)		
	High Line Transfer	280 VAC ± 5%		
	High Line Comeback	270 VAC ± 5%		
Frequency Range		40 ~70 Hz		
Power Factor		≥ 0.99 @ Normal Voltage (Input Voltage)		
OUTPUT				
Output Voltage		200 / 208 / 220 / 230 / 240 VAC		
AC Voltage Regulation		± 1% (Batt. Mode)		
Frequency Range (Synchronized Range)		47~ 53 Hz or 57 ~ 63 Hz		
Frequency Range (Batt. Mode)		50 Hz ± 0.25 Hz or 60 Hz ± 0.3 Hz		
Overload		100%~110%:audible warning, 110%~130%:UPS shut down in 30 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		≤ 3% THD (Linear Load) ≤ 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%
Eco Mode		93%	95%	96%
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 ± 1%	82.1 VDC ± 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)	13	26	28
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 100/200/208VAC

* Product specifications are subject to change without further notice

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