

# Luminous LD6000-INX Online UPS



## Uninterrupted Power. Intelligent Performance.

Stay powered and protected with Luminous LD Series UPS Systems-built for reliability when it matters most. The advanced Online design ensures your equipment always runs on clean, stable inverter power, shielding it from voltage drops, surges, and interruptions. Experience seamless power continuity and total peace of mind for all your critical applications.


### What Makes Us Stand Out

-  Locally Made: Proudly manufactured in India for faster delivery and national support.
-  User-Friendly Design: Simple to use and quick to implement in diverse applications.
-  Government Certified: Available on GeM for easy procurement.
-  Tender Compliant: Meets all government standards and documentation needs.
-  Reliable Partnerships: Backed by a strong network of trusted distributors.


### 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)


Applications




Emergency lighting in Airports, Malls, Societies, Highways, Banks and hospitals



IT Equipment like Routers, modems, switches



POS



Personal Computer Setup, Desktops



CAPACITY		6000 VA / 4800 W
INPUT		
Voltage Range	Low Line Loss	110 VAC ± 3 % at 50% Load; 176 VAC ± 3 % at 100% Load
	Low Line Comeback	Low Line Loss Voltage + 10V
	High Line Loss	280 VAC ± 3 %
	High Line Comeback	High Line Loss Voltage - 10V
Frequency Range		46Hz ~ 54 Hz @ 50Hz system (Default setting) 56Hz ~ 64 Hz @ 60Hz system
Phase		Single phase with ground
Power Factor		≥ 0.99 at 100% Load
OVCD		Implemented, Cut-off when input voltage 100Vac and 280Vac
OUTPUT		
Output voltage		208/220/230/240VAC (selectable)
AC Voltage Regulation		± 1%
Frequency Range (Synchronized Range)		46Hz ~ 54 Hz @ 50Hz system 56Hz ~ 64 Hz @ 60Hz system
Frequency Range (Batt. Mode)		50 Hz ± 0.1 Hz or 60Hz ± 0.1 Hz
Overload	AC mode	105%~110%: 30min; 110%~130%: 5min; >130% : 10sec
	Battery mode	105%~110%: 3min; 110%~130%: 30sec; >130% : 10sec
Current Crest Ratio		3:1 max
Harmonic Distortion	≤ 3% THD (Linear Load)	
	≤ 5% THD (Non-linear Load)	
Transfer Time	Line ↔ Battery	0 ms
	Inverter ↔ Bypass	0 ms
EFFICIENCY		
AC mode		> 92%
Battery Mode		> 90%
BATTERY		
Battery Type		Sealed Maintenance Free Batteries
Numbers		16
Charging Current		Default: 4 A ± 10% Max.: 1A, 2A, 4A, 6A (Adjustable)
Charging Voltage		218.4V ± 1%
PHYSICAL		
Dimension, DXWXH (mm)		369 x 190 x 318
Net Weight (kgs)		12
ENVIRONMENT		
Operation Temperature		0 ~ 40°C
Operation Humidity		<95 % and non-condensing
Operation Altitude**		<1000m
Acoustic Noise Level		Less than 55dB @ 1 Meter
MANAGEMENT		
Smart RS-232 or USB		Supports Windows® 2000/2003/XP/Vista/2008, Windows® 7/8, Linux, Unix, and MAC
SNMP Card (Option)		Power management from SNMP manager and web browser