



The Luminous LD Pro Series Powering the Engines of Industry

Luminous LD Pro Series 30-40 kVA

From heavy-duty machinery to critical IT systems, the automotive sector demands dependable power across every operation.

The Luminous LD PRO Series is designed to meet these challenges with higher output efficiency, robust protection against fluctuations, and seamless backup during outages. It's the powerhouse solution trusted to safeguard large-scale industries and keep automotive excellence on track.

Drive Productivity with Luminous LD PRO

It is packed with high-value features, including:

- Unity Output PF (kVA = kW) at 40°C
- Double Conversion Efficiency > 95.5%
- Rack and Tower Convertible
- Wide Input Voltage Range (305-477V with 100% load)
- Wide Battery selection range (32 to 40 Nos of 12V VRLA)
- Strong Charger to supply 16% Charging Power
- User Replaceable Dust Filter to operate in Harsh Environment
- Small Footprint of 0.34 SqMtr (Tower) or 3U (Rack)
- Lighter Weight of 33 Kg for Easy Handling
- Adjustable Display Orientation for Rack or Tower Configuration
- Parallel capability for 4 UPS for Redundancy or Capacity
- Access to vital critical power information through optional NMC card
- Compatible with VRLA & Lithium Ion Battery for providing Upto 90 Mins of Backup.



The Luminous LD Pro Series Driving Productivity with Reliable Power

Luminous LD Pro Series 30-40 kVA

Automotive innovation relies on smooth operations at every stage design, testing, and manufacturing. The Luminous LD PRO Series delivers clean, stable energy with advanced battery management and real-time monitoring, so your infrastructure is always protected. With scalable performance and lithium-ion compatibility, it powers growth, resilience, and excellence across your industry.

Power Your Industry Forward

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CAPACITY		30KVA/30KW	40KVA/40KW
INPUT			
Input Voltage (V)		380/400/415 VAC (Three Phase + Neutral)	
Voltage Range	at 50% Load	200VAC to 500VAC (L-L)	
	at 100% Load	305VAC to 477VAC (L-L)	
Frequency Range (Hz)		46Hz ~ 54 Hz @ 50Hz system	
		56Hz ~ 64 Hz @ 60Hz system	
Phase		Three Phase with Neutral	
Input THDi		< 4% at 100% Load	
Power Factor		≥ 0.99 at 100% Load	
Dual mains input		Yes (default: single mains input)	
OUTPUT			
Output voltage (V)		380/400/415 VAC (Three Phase + Neutral)	
AC Voltage Regulation		± 1%	
Frequency Range		46Hz ~ 54 Hz @ 50Hz system	
Synchronized Range		56Hz ~ 64 Hz @ 60Hz system	
Frequency Range (Batt. Mode)		50 Hz ± 0.1 Hz or 60Hz ± 0.1 Hz	
Overload	AC mode	100%~110%: 60min; 110%~125%: 10min; 125%~150%:1min;>150% : immediately	
	Battery mode	100%~110%: 60min; 110%~125%: 10min; 125%~150%:1min;>150% : immediately	
Current Crest Ratio		3:1 max	
Harmonic Distortion		≤2 % @ 100% Linear Load; ≤5 % @ 100% Non-linear Load	
Transfer Time	Line to Battery	0 ms	
	Inverter to Bypass in Online Mode	0 ms	
	Bypass to Inverter in ECO Mode	<10 ms	
EFFICIENCY			
Double Conversion mode		> 95.5%	
Battery Mode		> 95%	
ECO Mode		> 99%	
BATTERY			
Type		SMF VRLA	
Numbers		32 - 40 of 12V Blocks	
Charging Current		1.0~12.0A ±10% (Adjustable)	
Charging Voltage		13.65VDC± 1%	
PHYSICAL			
Outline	Dimension(Rack), D X W X H in mm	778 x 438 x 130	
	Dimension(Tower), D X W X H in mm	778 x 130 x 438	
	Net Weight (kg)	31	33
Packaging	Dimension, D X W X H	870 x 580 x 250	
	Gross Weight (kg)	34.5	36
ENVIRONMENT			
Operation Temperature		0 ~ 40°C (the battery life will down when > 25°C)	
Operation Humidity		<95 % and non-condensing	
Operation Altitude		<1000m	
Acoustic Noise Level		Less than 65dB @ 1 Meter	Less than 70dB @ 1 Meter
Protection Class		IP20	
NETWORK MANAGEMENT			
Smart RS-232 or USB		Supports Windows® 2000/2003/XP/Vista/2008, Windows® 7, Linux, Unix, and MAC	
Optional SNMP		Power management from SNMP manager and web browser	
REGULATORY			
Safety		EN/IEC 62040-1	
EMC/EMI/RFI		EN/IEC 62040-2	
COMPLIANCE		RoHS, REACH	

* Derate capacity to to 90% when the output voltage is adjusted to 208VAC.
**If the UPS is installed or used in a place where the altitude is above than 1000m, the output power must be derated one percent per 100m.
***Product specifications are subject to change without further notice.