

**Luminous PRO 10K**  
LD10K3P1P & LD10K3P3P

# Power Your Business and Stay Ahead

Luminous offers state of the art technology with a wide range of Backup solutions for the SOHO enterprise segment to safeguard critical applications and devices from being crippled or damaged by erratic power fluctuations and bad power conditions.



## Features

- True double-conversion
- DSP technology guarantees high performance
- Output power factor 0.9
- Active power factor correction in all phases
- 50 Hz/60 Hz frequency converter mode
- ECO mode operation for energy saving (ECO)
- Emergency power off function (EPO)
- Generator compatible
- SNMP+USB+RS-232 multiple communications
- 3-stage extendable charging design for optimized battery performance
- Maintenance bypass available
- Optional N+X parallel redundancy

## Luminous PRO 10K LD10K3P1P & LD10K3P3P



MODEL	LD10K3P1P	LD10K3P3P
Phase	3 phase in / 1 phase out	3 phase in / 3 phase out
Capacity	10000VA / 9000W	
<b>INPUT</b>		
Nominal Voltage	3 x 400VAC (3Ph+N)	
Voltage Range	176 – 300 (L-N) / 305 - 520 V (L-L) @ 50% load 110 - 176 (L-N) / 190 - 476 V (L-L) @ 100% load	
Frequency Range	46~54Hz or 56~64Hz	
Power Factor	≥ 0.99 @ 100% load	
<b>OUTPUT</b>		
Output Voltage***	208/220/230/240VAC	3 x 400VAC (3Ph+N)
AC Voltage Regulation (Batt. Mode)	± 1%	
Frequency Range (Synchronized Range)	46~54Hz or 56~64Hz	
Frequency Range (Batt. Mode)	50Hz ± 0.1Hz or 60Hz ± 0.1Hz	
Current Crest Ratio	3:1(max.)	
Harmonic Distortion	≤ 2% THD (Linear Load) ≤ 5% THD ( Non-Linear Load)	
Transfer Time	AC mode to Battery mode	zero
	Inverter to Bypass	zero
Waveform (Batt. Mode)	Pure Sinewave	
<b>EFFICIENCY</b>		
AC Mode	> 89%	90.5%
Battery Mode	> 86%	90.0%
<b>BATTERY</b>		
Long-run Model	Battery Type & Numbers	VRLA
	Charging Current (max.)	4A
	Charging Voltage	273VDC ± 1%
<b>INDICATORS</b>		
LCD Panel	UPS status, Load level, Battery level, Input/Output voltage, Discharge timer and Fault conditions	
<b>ALARM</b>		
Battery Mode	Sounding every 4 seconds	
Low Battery	Sounding every second	
Overload	Sounding twice every second	
Fault	Continuously sounding	
<b>PHYSICAL</b>		
Long-run Model	Dimension, D X W X H (mm)	592 x 250x 576
	Net Weight (kgs)	28
<b>ENVIRONMENT</b>		
Operating Humidity	0-95% RH @ 0-40°C (non-condensing)	
Noise Level	Less than 58dB @ 1 Meter	Less than 60dB @ 1 Meter
<b>MANAGEMENT</b>		
Smart RS-232/USB	Supports Windows 2000/2003/XP/Vista/2008, Windows 7/8, Linux and MAC	
Optional SNMP	Power management from SNMP manager and web browser	

\*\*\* Derate capacity to 90% of capacity when the output voltage is adjusted to 208VAC

\* Product specifications are subject to change without further notice



### For more information

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