LUMINOUS

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

MODEL	LD10K3P1P	LD10K3P3P
PHASE	3 phase in / 1 phase out	3 phase in / 3 phase out
Capacity	10000VA / 9000W	
INPUT		
Nominal Voltage	3 x 400VAC (3Ph+N)	
Voltage Range	190-520VAC (3-phase) @ 50% load 305-478VAC (3-phase) @ 100% load	
Frequency Range	46~54Hz or 56~64Hz	
Power Factor	≧ 0.99 @ 100% load	
OUTPUT		
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	
Transfer Time — Inverter to Bypass	zero	
Waveform (Batt. Mode)	Pure Sinewave	
EFFICIENCY		
AC Mode	91.5%	90.5%
ECO Mode	97.0%	96.0%
Battery Mode	87.0%	87.0%
BATTERY		
Long-run Model — Battery Type & Numbers	Depending on capacity of external batteries	
Long-run Model — Charging Current (max.)	10Amps	
Long-run Model — Charging Voltage	273VDC ± 1%	
INDICATORS		
LCD Panel	UPS status, Load level, Battery level, Input/Output voltage, Discharge timer and Fault conditions	
ALARM		
Battery Mode	Sounding every 4 seconds	
Low Battery	Sounding every second	
Overload	Sounding twice every second	
Fault	Continously sounding	
PHYSICAL		
Long-run Model — Dimension, D X W X H (mm)	592 x 250x 576	592 x 250 x 826
Long-run Model — Net Weight (kgs)	28	38
ENVIRONMENT		
Operating Humidity	0-95% RH @ 0-40°C (non-condensing)	
Noise Level	Less than 58dB @ 1 Meter	Less than 60dB @ 1 Meter
MANAGEMENT		
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	

** When using internal batteries from 18-19, the unit will de-rate according to below formula: P= P rating x N/20

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

* Product specifications are subject to change without further notice