

Luminous 20KVA  
LD20KT

## Innovation Driven Enterprise Power Solutions



### Features

- True double-conversion
- DSP technology guarantees high performance
- Output Power Factor 0.8
- Wide input voltage range (110-300 VAC)
- Active power factor correction in all phases
- 50Hz/60Hz frequency converter mode
- Eco mode operation for energy saving (ECO)
- Programmable power management outlets
- Emergency power off function (EPO)
- Generator compatible
- Charger capacity expansion to 8A for long-run models
- SNMP+USB+RS-232 multiple communications
- 3-stage extendable charging design for optimized battery performance
- Adjustable battery numbers
- Maintenance bypass available
- Optional N+X parallel redundancy
- Built-in isolation transformer offers full isolation and complete common mode noise rejection

## 20K WITH ISOLATION ONLINE UPS SELECTION GUIDE



MODEL		LD20KT
Phase		3 phase in / 1 phase out
Capacity		20000 VA / 18000 W
<b>INPUT</b>		
Voltage Range	Low Line Transfer	176 VAC (phase voltage) $\pm$ 3% @ 100% load 110 VAC (phase voltage) $\pm$ 3% @ 50% load
	Low Line Comeback	186 VAC (phase voltage) $\pm$ 3% @ 100% load 120 VAC (phase voltage) $\pm$ 3% @ 50% load
	High Line Transfer	300 VAC (phase voltage) $\pm$ 3% @ 50% load
	High Line Comeback	266 VAC (phase voltage) @ 100% load 290VAC (phase voltage) @ 50% load
Frequency Range		46~54 Hz or 56~64Hz
Power Factor		$\geq$ 0.99 @ 100% load
THDi		< 6% @ 100% load
<b>OUTPUT</b>		
Output Voltage		208/220/230/240VAC
AC Voltage Regulation (Batt. Mode)		$\pm$ 1%
Frequency Range (Synchronized Range)		46Hz ~ 54 Hz @ 50Hz system 56Hz ~ 64 Hz @ 60Hz system
Frequency Range (Batt. Mode)		50Hz $\pm$ 0.1Hz or 60Hz $\pm$ 0.1Hz
Current Crest Ratio		3:1(max.)
Harmonic Distortion		$\leq$ 2 % THD (Linear Load) $\leq$ 7 % 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		87%
Battery Mode		83%
<b>BATTERY</b>		
Battery Type & Numbers		Depending on the capacity of external batteries
Typical Recharge Time		
Charging Current (max.)		8.0 A $\pm$ 10% (max.)
Charging Voltage		273 V $\pm$ 1% (Based on 20pcs batteries)
<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>		
Dimension, D X W X H (mm)		815 X 250 X 826
Net Weight (kgs)		141
<b>ENVIRONMENT</b>		
Operating Humidity		0-95 % RH @ 0- 40°C (non-condensing)
Noise Level		Less than 60dB @ 1 Meter
<b>MANAGEMENT</b>		
Smart RS-232/USB		Supports Windows® 2000/2003/XP/Vista/2008, Windows® 7, Linux, Unix, and MAC
Optional SNMP		Power management from SNMP manager and web browser

\* L means long-run model

\* Product specifications are subject to change without further notice



### For more information

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