

LUMINOUS

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Founded in 1988, Luminous Power Technologies (P) Limited today is a leading company with a differentiated portfolio of solutions for packaged power, diversified generation, electrical control & safety and energy optimisation.

With over 5000 employees, 7 manufacturing units, 28 sales offices and more than 40000 channel partners; Luminous apart from its dominating position in the domestic market also has a strong foothold worldwide. Awarded with the 'Global Superbrand' status for the year 2011-12, ISO 50001:2011 certification and MNRE:CRISIL recognition, Luminous is passionately committed to bring uninterrupted and alternate power solutions to the customers that makes their life comfortable and efficient.



Rating 'A+ Stable' - CRISIL, the renowned credit rating agency has rated the bank facilities of Rs. 283 crores (incl. proposed limits) enjoyed by LPT as 'A+ Stable' based on audited results of FY 2007-08, estimates of FY 2008-09 and projections for 2 years (only company with this rating)



Quality Systems as per ISO 9001:2000 *Quality approvals from many Telecom, Government, Defense and Computer companies in India.*



Luminous received the highly coveted Frost & Sullivan Award, marking its global presence



High Power Inverters & Elevator Back-up UPS Systems

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•Higher KVA Inverters 15 KVA-50 KVA
•Elevator back-up UPS Systems 6 KVA-100 KVA

*Insert category



LUMINOUS 2013

Higher KVA Inverters (15 KVA-50 KVA)

Jumbo range of high power inverters incorporate state-of-the-art technology. A wide range of products has been designed to follow rigorous mains compatibility and erratic power supply. It also has design framework which ensures total reliability and meets various stringent power applications.

Features

- Pure sine wave
- High efficiency
- Regulated output
- Suitable for 3 phase unbalanced load
- Low harmonic distortion
- Designed for high inductive load
- IGBT based PWM technology



Applications: BPOs, call centers, multimedias, shopping malls, banking, IT sector, hospitals, petro pumps, etc.

Specifications		
INPUT	Single Phase Input/Single Phase Output 15KVA TO 50KVA 170V to 270V AC DC Voltage 180V/DC For 15/20 KVA, 360 VDC above 20KVA	Three-Phase Input/Three-Phase Output 15KVA TO 150KVA 320V to 470V AC 360VDC
	Frequency Technology	50Hz +/- 10% IGBT based
	Output Voltage Voltage Regulation	230V AC Single Phase 400V / 415V AC Three Phase +/- 2% Maximum
	Frequency Waveform	50Hz +/- 0.1Hz PWM Sine Wave
OUTPUT	Harmonic Distortion	Less than 3% on linear load
	Inverter Efficiency	> 95% for 360 VDC and above, >90% for 180 VDC
	Power Factor Overload	0.9 125% for 5 Minutes, 150% for 60 Seconds
	Crest Factor Transient Recovery Phase Displacement Audible Noise	3:1 +/- 4% under full load change and corrected within 5 cycles. 120° +/- 1° Less than 45 Db at 1 Meter
METERING	Microprocessor Based Digital LCD Meter	Out Voltage, Output Current & Frequency, DC Voltage, Battery and Load Percentage
CHANGE - OVER	Static Switch Manual Bypass	Bi-directional Provided
INDICATIONS & ALARMS	Mains on Inverter on Mains Fail DC Low	Indication Indication Indication & Alarm Indication
	Fault Output Overload	Indication Indication
	Operating Temperature Humidity	0°C to 50°C Max 85%, Non - Condensing
	PROTECTIONS	Output Overload & Short Circuit, Under & Over Voltage, DC Under & Over voltage, Input Under & Over voltage, Single Phasing & Phase Unbalance (for 3 - Ph Input only)

Elevator Back-up UPS (6 KVA-100 KVA)

Luminous elevator back-up UPS is specially designed for lifts & elevators. It has a unique feature of ARD (automatic rescue device) that helps in eliminating the need for separate safety device required for lift operations.

Features

- Pure sine wave regulated output
- High over load handling capacity
- High efficiency
- Starts automatically, no user action required
- Built in high capacity battery charger
- Eco-friendly, no fumes, no noise, no pollution
- IGBT technology
- Low operating cost
- Minimum capacity for wiring & installation



Applications: Lifts, elevators, pumps, emergency lighting, etc.

Specifications		
INPUT	Rating	THREE-PHASE INPUT THREE PHASE OUTPUT 6 KVA to 100 KVA
	AC Input Frequency	415V +/-15% .20% Three Phase Input 50Hz +/- 6%
	DC VOLTAGE	72 VDC TO 360VDC
	Technology	IGBT, High Frequency PWM
OUTPUT	Output Voltage Voltage Regulation	400V /415V AC Three Phase, 'Balanced' +/- 1% for DC IP Variation & OP Load Variation
	Frequency Waveform	50Hz +/- 0.1Hz Sine wave
	Harmonic Distortion Inverter Efficiency	Less Than 3% >95% for 360VDC
	Power Factor Overload	0.8 105% Continuously 300% for 60 Sec.
Crest Factor Transient Response Phase Displacement Audible Noise	4:1 +/-4% Under Full Load Change and Corrected within 60 msec 120° +/- 1° Less than 45 dB 1 Meter	
METERING	Microprocessor Based Digital LCD Panel	R, V, B, Output Voltage, Output Current & Frequency DC Voltage, Battery and Load Percentage
CHANGE - OVER	Static Switch (Optional)	Provided
PROTECTIONS	Output Overload & Short Circuit, Output Under & Over Voltage, Input Under & Over Voltage, Single Phasing & Phase Unbalance	Indication
	Mains On	Indication
	Inverter On Mains Fail	Indication & Alarm Indication & Alarm
	DC LOW	INDICATION & ALARM
INDICATION & ALARMS	DC Over Voltage Output Under Voltage Output Over voltage Output Overload	Indication & Alarm Indication & Alarm Indication & Alarm
	Operating Temperature Humidity	0°C to 50°C Max 85%, Non-Condensing
	ENVIRONMENTAL	
	PROTECTIONS	Due to continuous product improvements, specifications are subject to change without notice.

*Unbalanced load optional