

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.

High Power Inverters & Elevator Back-up UPS Systems



Rating "A+ Stable" - CRISIL, the renowned credit rating agency has rated the bank facilities of Rs. 263 crores (inc. 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



Winner of Three Consecutive Consumer World Awards*



*Inverter category

LUMINOUS 2013

www.jetpower.co.in



•Higher KVA Inverters
15 KVA-50 KVA

•Elevator back-up UPS Systems
6 KVA-100 KVA



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: BPO's, call centers, multiplexes, shopping malls, banking, IT sector, hospitals, petrol pumps, etc.

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			
		Single Phase Input/Single Phase Output	Three-Phase Input/Three-Phase Output
	RATING	15KVA TO 50KVA	15KVA TO 150KVA
INPUT	AC	170V to 270V AC	320V to 470V AC
	DC Voltage	180VDC For 15/20 KVA, 360 VDC above 20KVA	360VDC
	Frequency	50Hz +/- 10%	
	Technology	IGBT based	
	Output Voltage	230V AC Single Phase	400V / 415V AC Three Phase
	Voltage Regulation	+/- 2% Maximum	
	Frequency	50Hz +/- 0.1Hz	
	Waveform	PWM Sine Wave	
OUTPUT	Harmonic Distortion	Less than 3% on linear load	
	Inverter Efficiency	> 93% for 360 VDC and above, >90% for 180 VDC	
	Power Factor	0.8	
	Overload	125% for 5 Minutes, 150% for 60 Seconds	
	Crest Factor	3:1	
	Transient Recovery	+/- 4% under full load change and corrected within 5 cycles.	
	Phase Displacement	120° +/- 1°	
	Audible Noise	Less than 45 Db at 1 Meter	
METERING	Microprocessor Based Digital LCD Meter	Out Voltage, Output Current & Frequency, DC Voltage, Battery and Load Percentage	R, Y, B, Output Voltage Output Current & Frequency, DC Voltage, Battery and Load Percentage
		Static Switch	Bi-directional
CHANGE - OVER	Manual Bypass	Provided	
	Mains on	Indication	
INDICATIONS & ALARMS	Inverter on	Indication	
	Mains Fail	Indication & Alarm	
	DC Low	Indication	
	Fault	Indication	
	Output Overload	Indication	
ENVIRONMENTAL	Operating Temperature	0°C to 50°C	
	Humidity	Max 95%, Non - Condensing	
PROTECTIONS	Output Overload & Short Circuit, Under & Over Voltage, DC Under & Over voltage, Single Phasing & Phase Unbalance (for 3 - Ph Input only)		

Due to continuous product improvements, specifications are subject to change without notice.

Specifications		
		THREE-PHASE INPUT, THREE PHASE OUTPUT
	Rating	6 KVA to 100 KVA
INPUT	AC Input	415V +/-15%, -20% Three Phase Input
	Frequency	50Hz +/- 6%
	DC VOLTAGE	72 VDC TO 360VDC
	Technology	IGBT, High Frequency PWM
	Output Voltage	400V / 415V AC Three Phase, Balanced*
	Voltage Regulation	+/- 1% for DC IP Variation & O/P Load Variation
	Frequency	50Hz +/- 0.5Hz
	Waveform	Sine wave
OUTPUT	Harmonic Distortion	Less Than 3%
	Inverter Efficiency	>93% for 360VDC
	Overload	>90% for 180VDC
	Power Factor	0.8
	Overload	105% Continuously 300% for 60 Sec
	Crest Factor	4:1
	Transient Response	+/-4% Under Full Load Change and Corrected within 60 msec
	Phase Displacement	120° +/- 1°
	Audible Noise	Less than 45 dB 1 Meter
METERING	Microprocessor Based Digital LCD Panel	R, Y, 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, DC Under & Over Voltage Input Under & Over Voltage, Single Phasing & Phase Unbalance	
	Mains On	Indication
INDICATION & ALARMS	Inverter On	Indication
	Mains Fail	Indication & Alarm
	DC LOW	INDICATION & ALARM
	DC Over Voltage	Indication & Alarm
	Output Under Voltage	Indication & Alarm
	Output Over voltage	Indication & Alarm
	Output Overload	Indication & Alarm
ENVIRONMENTAL	Operating Temperature	0°C to 50°C
	Humidity	Max 95%, Non-Condensing

Due to continuous product improvements, specifications are subject to change without notice.

*Unbalanced load optional