

# LUMINOUS

JIS PE DESH KARE BHAROSA

## Long Back-up Sine Wave UPS



**SAR**  
GROUP

**UPS Sine**  
600VA - 1000VA

**JUMBO GX**  
20VA - 10KVA

**BRAVO**  
SINE WAVE UPS  
675VA-875VA

**iON**  
Digital Sine  
1500VA

These state of the art long back-up UPS are powered by latest and most innovative technology. Apart from flawless functioning, beautiful appearance and powerful performance, these are specially designed to cater to the sensitive equipments and secure them during abrupt power situations. All this with the added advantage of least amount of maintenance and 24x7 service support make this offering a very lucrative proposition.

### Features

- Very high load cold start by the UPS
- Fast changeover time
- Surface Mounted Technology for reliable and compact design
- Smart Charge Technology for faster charging and longer battery life
- Intelligent Thermal Management
- Free Pre-loaded Battery Management Software
- Miniature Circuit Breaker instead of fuse - to protect load and equipments



### TECHNICAL SPECIFICATION

	RATING	600 VA	800 VA	675 VA	875 VA	1500 VA	
Input	<b>Regulated UPS Mode</b>						
	Undervoltage					180 ± 5 V	
	Undervoltage Restoration					185 ± 5 V	
	Overvoltage					280 ± 5 V	
	Undervoltage Restoration					25 ± 5 V	
	<b>Unregulated UPS mode</b>						
	Undervoltage					100 ± 10 V	
	Undervoltage Restoration					115 ± 10 V	
	Overvoltage					285 ± 10 V	
	Overvoltage Restoration					270 ± 10 V	
Output	Maximum Power	600 VA	800 VA	675 VA	875 VA	1500 VA	
	Voltage (UPS Mode)						Sine Wave 230 V (Nominal)
	Voltage (Mains Mode)						Same as Input
	Frequency (UPS Mode)						50 Hz. ± 2%
	Frequency (Mains Mode)						Same as Input (45-55 Hz.)
	Overload						> 110 %
	Transfer Time (typical a.s)						10 ms.
Battery	Type						120 AH- 150AH Lead Acid Type
	Number	1	1	1	1	2	
	Typical Recharge Time						10-12 Hrs.
						<b>PROTECTION</b>	
						LOW BATTERY, REVERSE POLARITY	
Display	Switch On	White	White	Green	Green	—	
	Switch Off/Stand by	—	—	Amber	Amber	—	
	UPS ON	Red	Red	White	White	On	
	Low Battery Pre-Alarm						UPS ON & LOW Battery LED
	Battery Low	Red	Red	White	White	Lo	
	Mains ON	Red	Red	White	White	AC	
	Smart Charge	Red(Along with MAINS ON LED)		White (Along with MAINS ON LED)			CH
	Overload	Red Steady		White Steady			OL(Steady)
	Short Circuit	Overload Red LED blinking		Overload White LED blinking			OL(Blinking)
	MCB Trip						Smart Charge blinking bt
Alarms	Low Battery Pre-Alarm						Beeping every 10 seconds
	Low Battery						Continuous Beeping for 10 Seconds
	Overload						Continuous Beeping for 10 Seconds
	No Load Shut Down						Continuous Beeping for 10 Seconds
	Short Circuit						Continuous Beeping for 10 Seconds
Environmental	Operating Temperature						0-40° C (32-104° F)
	Storage Temperature						0-40° C (32-104° F)
	Humidity						0-95 % RH non-condensing

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

Jumbo GX range of UPS' are specially designed to give you convenience, comfort and safe power.

**Applications-** Petrol pumps, deep freezers, lifts, small offices, nursing homes, data centers, BPO's, etc.

**Features**

- Digital signal processing technology
- Smart charge technology for faster charging and longer battery life
- Intelligent thermal management for longer life and higher reliability
- High frequency based design for instantaneous sine wave control
- Regulated battery charging from 150V to 280V
- Audio alarm on: battery low pre-alarm, overload & short circuit trip
- Display for mains on, UPS on, overload/short circuit trip, battery low trip and battery reverse connection



**TECHNICAL SPECIFICATION**

Rating					2KVA	2.5KVA	3KVA	3.5KVA	Rating					5 KVA	6KVA	10KVA
Input	<b>Regulated UPS Mode</b>															
	Undervoltage	180 +/- 5 V														
	Undervoltage Restoration	185 +/- 5 V														
	Oversvoltage	260 +/- 5 V														
	Oversvoltage Restoration	255 +/- 5 V														
	<b>Unregulated UPS Mode</b>															
	Undervoltage	100 +/- 10 V														
	Undervoltage Restoration	115 +/- 10 V														
	Oversvoltage	285 +/- 10 V														
	Oversvoltage Restoration	270 +/- 10 V														
Output	Maximum Power	2KVA	2.5KVA	3KVA	3.5KVA											
	Voltage (UPS Mode)	230 V Nominal														
	Voltage (Mains Mode)	Same as Input														
	Frequency (UPS Mode)	50 Hz +/- 2 %														
	Frequency (Mains Mode)	Same as Input (45-55 Hz.)														
	Overload	> 110 %														
	Transfer Time (typical a.s.)	10 ms														
Battery	Type (Lead Acid)	120Ah-240Ah	120Ah-250Ah	120Ah-260Ah												
	Number	2	3/4	4	4											
	Typical Recharge Time	10-12 Hrs.														
	Protection	Low Battery, Reverse Polarity														
Display	UPS ON	On														
	Battery Low	Lo														
	Mains On	AC														
	Smart Charge	CH														
	Battery Charged	99%														
	Overload	OL (steady)														
	No Load	nL														
	Overtemperature	th														
	Short Circuit under Battery Mode	OL (blinking)														
	MCB TRIP or Short Circuit under Mains Mode	bt														
Alarms	Low Battery Pre-Alarm	One beep every 10 seconds														
	Low Battery	Continuous Beeping														
	Overload	Continuous Beeping														
	No Load Shut Down	Continuous Beeping														
	Operating Temperature	0-40° C (32-104° F)														
Environmental	Storage Temperature	0-40° C (32-104° F)														
	Humidity	0-95 % RH non-condensing														
	<b>Regulated UPS Mode</b>															
Input	Undervoltage	140 +/- 5 V														
	Undervoltage Restoration	150 +/- 5 V														
	Oversvoltage	280 +/- 5 V														
	Oversvoltage Restoration	270 +/- 5 V														
	<b>Unregulated UPS mode</b>															
	Undervoltage	140 +/- 5 V														
	Undervoltage Restoration	150 +/- 5 V														
	Oversvoltage	280 +/- 5 V														
	Oversvoltage Restoration	270 +/- 5 V														
	Output	Maximum Power	5 KVA			6KVA			10KVA							
Voltage (UPS Mode)		230 V Nominal														
Voltage (Mains Mode)		Same as Input														
Frequency (UPS Mode)		50 Hz +/- 0.5%			50 Hz +/- 1%											
Frequency (Mains Mode)		Same as Input (45-55 Hz.)														
Overload		> 110 %														
Transfer Time (typical a.s.)		10 ms														
Battery	Type	120 AH- 150AH Lead Acid Type														
	Number	6			10			15								
	Typical Recharge Time	10-12 Hrs.														
LCD Display	Protection	Low Battery, Reverse Polarity														
	Input undervoltage	Mains Low														
	Input over voltage	Mains Hi														
	Low Battery Pre-Alarm	Caution Low Battery														
	Overload	Trip Overload														
	Battery Low	Trip Battery Low														
	Short Circuit under UPS Mode	Short Circuit														
	Short Circuit under Mains Mode	Input MCB Trip														
	Overtemperature	Thermal shutdown														
	Input MCB Trip	Input MCB Trip														
Alarms	Low Battery Pre-Alarm	One beep every 10 seconds														
	Low Battery	Continuous for 10 seconds														
	Overload	Continuous for 10 seconds														
	Short Circuit	Continuous														
	Mains MCB Trip	One beep every 12 minute														
	Over temperature	Five beep every 2 seconds														
	Operating Temperature	0-40° C (32-104° F)														
Environmental	Storage Temperature	0-40° C (32-104° F)														
	Humidity	0-95 % RH non-condensing														

Luminous Power Technologies (P) Limited is a leading global company delivering high quality power products for home and commercial applications. The company's group portfolio includes Power Backup, Power Storage, Distributed Power Generation, Renewable & Alternate Energy solutions like Solar, Wind & Hybrid solutions, Infrastructure Solutions for IT & Telecom, Engineering Design & Support Services, Plug-in Hybrid Electric Vehicles, Electricals, Water Purification and Mobile Phones & Accessories. Founded in 1988, the group has revenue exceeding US \$ 300 million in FY 10-11 and projected to be US \$ 500 million by FY 11-12.

Luminous apart from its dominating position in the domestic market has strong foothold in over 36 countries worldwide. Its Global Technology Centers located in India, United States & China deliver cutting edge technology that goes into making every Luminous product a class apart from its competitors. Luminous follows its proprietary UGC (Universal Grid Compatibility) process to ensure consistency & very high standards of reliability of its products across the globe. Luminous has been consistently winning awards & accolades for market leadership and excellent reliability of its products in domestic as well as international arena. Luminous is the proud recipient of Frost & Sullivan Industry Technological Leadership Award for market penetration in DC-AC Inverters in Non Renewable Energy markets in Asia Pacific.

### Luminous Worldwide



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



Winner of Four Consecutive Consumer World Awards\*



\*Inverter category

To know more about our products, contact us at: **INDIA:** Luminous Power Technologies Pvt. Ltd., C8 & C9, Community Centre, Janak Puri, New Delhi 110058. **US:** 16515 South 40th Street, Suite 109, Phoenix, AZ -85048, USA **CANADA:** 565 Summer Park Cres, Mississauga, ON L5B 4E9, Canada. **MEXICO:** Alborada 74, Col. Palmer Del Sol, Hermosillo, Sonora, Mexico CP: 83250 **SPAIN:** Alcolea, 64, 20-10, 08014, Barcelona, Spain **CHINA:** Guangdong Province, South East China **UAE:** P.O. Box No. 8209, A-3/53, Saif Zone, Sharjah **US:** US Technology Centre, 1359, Nicolas way, Fullerton, California -92833, US. **E-mail:** mktg@luminousindia.com **Website:** www.luminousindia.com