

LUMINOUS

Squarewave Inverter & Long Back-up UPS



SAR
GROUP

UPS LB+ | **UPS LB**

600VA • 800VA • 1400VA

minimax

175VA • 325VA • 550VA

UPS LB+ UPS LB

Luminous presents the latest breakthrough in the world of power back-up LB UPS. A powerhouse of performance packed in a highly attractive design, LB UPS boasts of phenomenally advanced features that give it a unique ability to run a PC for hours together, even in the bleakest of power situations.

Features

- Micro-controller based design
- Selectable battery option
- Runs single PC up to 15.0 hrs with 24V 150AH battery
- Charges battery very fast
- Pre-loaded battery management software
- Regulated output voltage window during regulated UPS mode
- Regulated battery charging from 120V to 300V
- Automatic holiday mode preserves battery charge (Away from home for long time)
- Audio alarms on: mains fail, charger fuse blown, battery low, no load shutdown
- Visual alarms on: mains on, UPS on, smart charge, overload/short circuit trip, charger fuse blown, battery low, no load shutdown



Technical Specifications				
	RATING	600 VA	800 VA	1400 VA
Input	Regulated UPS Mode			
	Undervoltage		180 +/- 5 V	
	Undervoltage Restoration		185 +/- 5 V	
	Overvoltage		265 +/- 5 V	
	Overvoltage Restoration		260 +/- 5 V	
	Unregulated UPS mode			
	Undervoltage		100 +/- 10 V	
	Undervoltage Restoration		110 +/- 10 V	
	Overvoltage		300 +/- 10 V	
	Overvoltage Restoration		290 +/- 10 V	
Output	Maximum Power	600 VA	800 VA	1400 VA
	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		120 AH- 150AH Lead Acid Type	
	Number		1	2
LED Display	Typical Recharge Time		10-12 Hrs.	
	Protection		LOW BATTERY, REVERSE POLARITY	
	Switch On		White	
	UPS ON		Red	
	Low Battery Pre-Alarm		UPS On & Low Battery Red	
	Battery Low		Red	
	Mains On		Red	
	Smart Charge		Red (Along with Mains On LED)	
	Overload		Red Steady	
	Short Circuit under Battery Mode		Overload RED LED Blinking	
Alarms	Short Circuit under Mains Mode		Smart Charge (Blinking)	
	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	
Environmental	Short Circuit		Continuous Beeping for 10 Seconds	
	Operating Temperature		0-40° C	
	Storage Temperature		0-40° C	
	Humidity		0-95 % RH non-condensing	
Due to continuous product improvements, specifications are subject to change without notice.				

Minimax, the compact little inverter packed with power is an interesting example of Luminous wide and versatile range of inverters. Minimax is ideal for the small house or shop where there's a small but steady need for power back-up. Get one today, it will make a big difference.

BATTERY SAVER- NO LOAD SHUTDOWN

If the output load on inverter in inverter mode is less than 10% of the VA rating, it will automatically shut down after 30-40 minutes. This stops unnecessary wastage, maintaining battery energy level. Inverter can be restarted by switching it OFF and then ON.

Features:

- Wall-mounted
- Compact design
- Micro-controller based design
- Fast charging
- Overload auto-reset
- Inverter mode short-circuit protection
- Wide input voltage window 110V to 300V for charging



LOAD CHART

	175 VA	325 VA	550 VA	
FAN	1	2	3	2
TUBE LIGHT	1	2	3	3
TV 14 (Inch)	X	X	X	1

Technical Specifications

	RATING	175 VA	325 VA	550 VA
Input	Undervoltage		100 +/- 10 V	
	Undervoltage Restoration		110 +/- 10 V	
	Overvoltage		300 +/- 10 V	
	Overvoltage Restoration		290 +/- 10 V	
Output	Maximum Power	175 VA	325 VA	550 VA
	Voltage (Inverter Mode)		230 V Nominal	
	Voltage (Mains Mode)		Same as Input	
	Frequency (Inverter Mode)		51 Hz +/- 0.5%	
	Frequency (Mains Mode)		Same as Input (45-55 Hz)	
	Overload		> 110 %	
	Protection		Short Circuit under Battery Mode, Reverse Polarity	
Battery	Type		88 AH-150AH Lead Acid Type	
	Number		1	
	Typical Recharge Time		10-12 Hrs.	
	Protection		Short Circuit under Battery Mode, Reverse Polarity	
LED Display	Inverter On		Yellow	
	Low Battery Pre-Alarm		Inverter On with Low Battery Red Blinking	
	Battery Low		Red	
	Mains On		Green	
	Smart Charge		Green (Along with Mains On LED)	
	Overload		Red Steady	
	No Load Shut Down		Overload LED (Red) blinking	
Environmental	Operating Temperature		0-40° C	
	Storage Temperature		0-40° C	
	Humidity		0-95 % RH non-condensing	

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Luminous Power Technologies is an Indian Power & Energy Storage Company with a global presence, delivering high quality Inverters, UPS, Batteries & Renewable Energy Products. Founded in 1988, Luminous is a US \$150 million enterprise with markets in over 32 countries worldwide. Its Global Technology Centers located in India, United States & China deliver cutting edge technology that goes into every Luminous Product. Luminous follows its proprietary UGC (Universal Grid Compatibility) process to ensure consistency & very high standard of reliability of its products anywhere in the world. Luminous has been consistently winning awards & accolades for market leadership and excellent reliability of its products. Luminous offers its customers significant advantages as a result of its multi location manufacturing presence in India & China. It seeks aggressive Business Partners to be a part of its exciting growth over the next decade.

Luminous Worldwide



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



Winner
of Four
Consecutive
Consumer
World Awards*



*Inverter category