



Modified Sine Wave

Long Backup UPS for Home Office Range

Luminous introduces breakthrough technology in the world of power back up range of inverters, LB UPS. A powerhouse of performance packed in a highly attractive design. Luminous LB UPS boasts of phenomenally advanced features. This technology gives it the unique ability to run the Computers for hours together, even in the bleakest of power situations.



SINE WAVE UPS

Luminous sine wave UPS is a powerhouse of performance packed in a highly attractive design, it boasts of phenomenally advanced features. That gives it the unique ability to run a PC for hours together, even in the bleakest of power situations.

Protection

- ▶ Phase reversal protection
- ▶ Overload with auto re-set
- ▶ Battery Deep Discharge protection with two times reset options
- ▶ Ultra Fast Short Circuit Protection
- ▶ Battery reverse polarity protection
- ▶ Miniature circuit breaker for overload and short circuit protection in mains mode instead of cartridge fuse
- ▶ DC over Voltage protection.

Feature

- ▶ Micro controller based design
- ▶ Regulated output voltage window during regulated UPS mode
- ▶ Can run single PC up to 8hrs. With 12 V 150 AH battery
- ▶ Selectable battery option
- ▶ Pre-loaded battery management software
- ▶ Battery charging up to two times faster.
- ▶ Regulated battery charging from 120 V to 300 V
- ▶ Automatic holiday mode preserves battery charge
- ▶ Advanced digital display
- ▶ Audio alarms on failure of mains fail, Charger fuse blown, battery low and no load shutdown

Specifications of DSP based sine wave Inverters

RATING		600VA	800VA	1400VA
INPUT AC RANGE	Regulated INVERTER mode			
	Undervoltage	180 +/- 5 V		
	Undervoltage Restoration	185 +/- 5 V		
	Overvoltage	260 +/- 5 V		
	Overvoltage Restoration	255 +/- 5 V		
	Unregulated INVERTER mode			
	Undervoltage	100 +/- 10 V		
	Undervoltage Restoration	115 +/- 10 V		
	Overvoltage	285 +/- 10 V		
	Overvoltage Restoration	270 +/- 10 V		
OUTPUT ON INVERTER MODE	Maximum Power	600VA	800VA	1400VA
	Maximum Watts	475W	575W	1025W
	Maximum Efficiency	81%	82%	87%
	Voltage (INVERTER Mode)	220 V Nominal +/- 12%		
	Voltage (Mains Mode)	Same as Input		
	Frequency (INVERTER Mode)	50 Hz. +/- 2%		
	Frequency (Mains Mode)	Same as Input (45-55 Hz.)		
	Overload	> 110 %		
INVERTER MODE PROTECTION	Transfer Time (typical a.s)	10 ms.		
	Low battery protection	Electronic Trip		
	Battery reverse protection	Through fuse		
	Inverter mode over load	Electronic Trip		
	Inverter mode short circuit	Electronic Trip		
MAINS MODE PROTECTION	Over load / Short circuit	Through MCB		
	Charger protection	Through MCB		
BATTERY	Type	120 AH- 150AH Lead Acid Type		
	Number	1	1	2
	Typical Recharge Time	10-12 Hrs.		
BATTERY CHARGER	Constant Voltage with current limit type	10Amp / 7Amp (selectable) with boost voltage 14.1V and float voltage 13.9V		
	TECHNOLOGY	Primary controlled thyristor charger		
LED DISPLAY	Switch On	White		
	INVERTER ON	Red		
	Low Battery Pre-Alarm	INVERTER On & Low Battery Red		
	Battery Low	Red		
	Mains On	Red		
	Smart Charge	Red (Along with Mains ON LED)		
	Overload	Red Steady		
	No-load (if load <10% of rated load for greater than 11 hours)	Red		
	Short Circuit	Overload RED LED Blinking		
Charger fuse fail	Charger LED (Blinking)			
ALARMS	Low Battery Pre-Alarm	Beeping every 5 seconds		
	INVERTER ON	5 Beeps		
	Overload	Continuous Beeping		
	Short Circuit	Continuous Beeping		
	No-load	Continuous Beeping		
	MCB Trip	Beeping every 12 minutes		
ENVIRONMENTAL	Operating Temperature	0-40° C		
	Storage Temperature	0-40° C		
	Humidity	0-95 % RH non - condensing		

* Due to Continuous Product improvements, specs are subject to change without notice.

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OUTPUT ON INVERTER MODE	Overvoltage	285 +/- 10 V		
	Overvoltage Restoration	270 +/- 10 V		
	Maximum Power	600VA	800VA	1400VA
	Maximum Watts	425W	500W	900W
	Maximum Efficiency	82%	79%	84%
	Voltage (INVERTER Mode)	220 V Nominal +/- 12%		
	Voltage (Mains Mode)	Same as Input		
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BATTERY CHARGER	Constant Voltage with current limit type	10Amp / 7Amp(selectable) with boost voltage 14.1V and float voltage 13.9V		
	TECHNOLOGY	High power factor boost charger		
LED DISPLAY	Switch On	White		
	INVERTER ON	Red		
	Low Battery Pre-Alarm	INVERTER On & Low Battery Red		
	Battery Low	Red		
	Mains On	Red		
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