



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, 8 manufacturing units, 28 sales offices and more than 55,000 channel partners; Luminous apart from its dominating position in the domestic market also has a strong foothold worldwide. Awarded with the 'Global Superbrands' 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.



**MNRE CRISIL: Solar Grading -** Luminous has been awarded with the MNRE CRISIL SP 1A Grade for its capability as a system integrator in the Photovoltaic segment.



**ISO Certification -** Quality systems as per ISO 50001:2011, ISO 9001:2008, ISO 14001:2004.



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



Winner of Three Consecutive Consumer World Awards\*



\*Inverter category

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# Illuminating Lives with The Power of Sun

PURE SINE WAVE OUTPUT  
Presenting Solar Hybrid Home UPS  
PURE SINE WAVE OUTPUT



Range Available  
300VA | 500VA | 850VA | 1400VA

## Luminous Solar Home UPS

Luminous Solar Home UPS is a micro controller based pure sine wave hybrid UPS with high efficiency. It accepts hybrid charging from both solar and mains with priority to solar. Luminous Solar Home UPS has all the required protections against high temperature, short circuit and overloading. It ensures lesser battery charging time and maximum solar utilization. Luminous Solar Home UPS is available in four variants 300VA, 500VA, 850VA and 1400VA.

### Features >>

- Pure sine wave output.
- First time in India with both AC and DC Output\*.
- Intelligent service assistance indicator in case of faults.
- Intelligent Solar Optimization Technology(i-SOT).
- Intelligent Charging (i-Charge) with optimum utilization of solar power.
- Inbuilt charge controller with 98% efficiency.
- Equipped with battery type selection.
- DC Load controller\* & LVD feature.

### Benefits >>

- 25%-30% savings on electricity bills.
- Very safe for sensitive products like TV, PC etc.
- Runs both AC & DC load applications\*.
- Flexibility of use with all types of battery.

### Technical Specifications >>

PRODUCT	Solar 300VA Home UPS	Solar 500VA Home UPS
<b>Input</b>		
Battery Voltage	12V	
Solar Panel	12V upto 400Wp	
<b>Output</b>		
Capacity	300VA	500VA
No Load Output	220V ± 5V	
Output Frequency	50Hz ± 0.5V	
Output waveform	Pure Sine Wave	
No Load Current	≤ 65mA	
UPS Efficiency	≥ 80%	
In-built Charge controller	20Amp/12V	
Over Load	110% - 150% for 30Sec	
Protections	Short Circuit, Overload, High Temperature	
<b>Front Panel Display Indications</b>		
Switch ON, Mains ON, UPS ON, Battery Low, Battery Charging, i-Charging, Overload, Solar Charging		
<b>Audible Alarm Indication</b>		
Inverter ON, Battery Low, Overload, Short Circuit		
<b>User Selectable Switches</b>		
Intelligent Charging Selection Switch	5A(i-Charge Off)/8A(i-Charge ON)	6A(i-Charge Off)/10A(i-Charge ON)
Battery Type Selection Switch	Tubular/Flat Plate	

\*Available only in 850VA & 1400VA Solar Home UPS

## Technical Specifications >>

PRODUCT	Solar 850VA Home UPS	Solar 1400VA Home UPS
<b>Input</b>		
Battery Voltage	12V	24V
Solar Panel	12V upto 400Wp	24V upto 800Wp
<b>Unregulated Mode / Eco Mode</b>		
Mains High Cut	290V ± 10V	
Mains High Cut Recovery	280V ± 10V	
Mains Low Cut	100V ± 10V	
Mains High Low Recovery	110V ± 10V	
<b>Regulated Mode / UPS Mode</b>		
Mains High Cut	265V ± 5V	
Mains High Cut Recovery	255V ± 5V	
Mains Low Cut	180V ± 5V	
Mains High Low Recovery	190V ± 5V	
<b>Output</b>		
Capacity	850VA	1400VA
No Load Output	220V ± 5V	
Output Frequency	50Hz ± 0.5Hz	
Output Waveform	Pure Sine Wave	
No Load Current	≤ 65mA	
UPS Peak efficiency	≥ 85%	
Overload	110% for 5 mins	
DC Load Output	12V upto 20Amp	24V upto 20Amp
Protections	Short Circuit, Overload, High Temperature, Battery Low	
<b>Front Panel Display Indications</b>		
Switch On Indication	Switch LED ON	
UPS On Indication	UPS LED Steady	
Low Battery Pre-alarm Indication	UPS LED Steady+Batt. Low LED Blinking	
Low Battery Trip Indication	Low Batt. LED Steady	
Mains On Indication	Mains LED Steady	
Battery Charging Through Mains	Mains LED Steady+Charge LED Steady	
Battery charging Through Mains + Solar	Mains LED Steady+CHG. LED Steady+Solar LED Blinking	
Battery Charged	Mains LED ON+CHG. LED Off+Solar LED ON	
Overload Pre-alarm Indication in UPS Mode	UPS ON+Overload LED Slow Blinking	
Overload Shutdown Indication in UPS Mode	Overload LED Steady	
Short Circuit Indication in UPS Mode	Overload LED Fast Blinking	
Power Saving Mode	Mains LED Blinking+Solar LED Blinking/ON+UPS LED ON	
Battery Charging through Solar	Solar LED Blinking+CHG. LED Off	
DC Load Indication	Load Connect-DC Load LED Steady	
	Over Load - DC Load LED Slow Blinking	
	Short Circuit - DC Load LED Fast Blinking	

\*Technical specifications are subject to change without prior notice.