

# LUMINOUS

Jis Pe Desh Kare Bharosa



For Home UPS &  
Inverter Battery Category

## SOLAR HOME LAMP



LUMINOUS SOLAR HOME LAMP - 10 & 20

Luminous Solar Home Lamp System comes in two models, SHL 10 & SHL 20. The solar home lamp system consists of an electronic box containing the battery and electronics, 2 LED lamps, Mobile phone charger, Solar panel, panel stand & its accessories. The innovative, cost effective & energy efficient LED based design of this new product provides light output at par with 14W CFL from each lamp. It can be termed as single solution for all daily household lighting needs. This equipment can provide light output backup ranging between 15 to 120 hrs with constant light output at each intensity level.

It has got a multiple light intensity regulation, night lamp mode and individual intensity control for each lamp. The Lamps and Mobile charging points can be used together, It can even charge smart phones by the USB port in mobile charging lead. The product is equipped with all required protections with a special arrangement to prevent deep discharging of battery.

**SOLAR HOME LAMP APPLICATIONS**

- Rural home electrification
- Night school in rural areas
- Small shops and industrial shelters
- Tool sheds and storage barns
- Emergency power requirement
- For outdoor portable use
- Reading



**SHL-10**

**SALIENT FEATURES**

- In built 25mtrs long beam torch light.
- Constant light output over entire battery backup range.
- Output from single lamp equivalent to 14W CFL.
- Five-step light intensity control for each Lamp.
- Mobile Charging can also be used along with LED lamps.



**Backup with Single Lamp : (On fully charged battery)**

	5	4	3	2	1
<b>Intensity Level</b>					
<b>Backup on fully charged battery</b>	>25 Hrs.	>30 Hrs.	>42 Hrs.	>60 Hrs.	>100 Hrs.

**Backup with Double Lamp : (On fully charged battery)**

	5	4	3	2	1
<b>Intensity Level</b>					
<b>Backup on fully charged battery</b>	>15 Hrs.	>18 Hrs.	>20 Hrs.	>30 Hrs.	>53 Hrs.











## SHL-20

### SALIENT FEATURES

- Long backup -from 15 hrs to 120 hrs for lamp.
- In-built front LED reading lamp.
- Constant light output over entire battery backup range.
- Light output from single lamp is equivalent to 14W CFL.
- Four-step light intensity control for each Lamp.
- Runs 12V DC fan/DC TV/DC lamp.
- Lamps, fan/TV and mobile charging points can be used together
- Provision to connect external battery (20Ah-200Ah) for very long backup
- Equipped with battery deep discharge, battery overcharge and short circuit



### Backup SHL-20 (on fully charged battery)

Mode				
Load	Intensity 1	Intensity 2	Intensity 3	Intensity 4
	> 120 Hrs.	> 80 Hrs.	> 65 Hrs.	> 56 Hrs.
	> 85 Hrs.	> 55 Hrs.	> 35 Hrs.	> 28 Hrs.
	> 50 Hrs.	> 30 Hrs.	> 20 Hrs.	> 15 Hrs.
	> 7 Hrs. in High Speed Mode & > 12 Hrs in Low Speed Mode			
	> 10 Hrs. of Fan Run time High Speed Mode + > 30 Hrs. of one Lamp at Highest intensity			
	> 7 Hrs. of Fan Run time in High Speed Mode + > 20 Hrs. of both Lamps at Highest intensity			



* TECHNICAL SPECIFICATIONS	SHL-10	SHL-20
<b>SYSTEM DESCRIPTION</b>	Solar Home Lamp System (LED BASED)	
Product	Solar Home Lamp System (LED BASED)	
Use	Indoor Application	
Operating Temperature	0 to 45°C	
Product Dimension	230 × 87 × 154 (LxHxW, in mm)	300x102x252 (LxHxW, in mm)
<b>PV MODULE</b>	Mono/Poly Crystalline Silicon 36 Cells, 12V Module	
Type	Mono/Poly Crystalline Silicon 36 Cells, 12V Module	
Peak Power	10 W	20 W
<b>MOBILE CHARGER</b>	5.0V/0.5A,CVCC	
Output	5.0V/0.5A,CVCC	
Protection	Over Current, Over Temperature, Short Circuit	
Charging Output Device	4 different charging pins to charge available mobile phone+ USB Port	
<b>LED LUMINARY</b>	High Grade HIPS Lamps	
Lamp Type	High Grade HIPS Lamps	
Number of Luminary	2 nos. with required cable connection	
LED Type	High power super bright SMD LED's	
LED Color	Cool white	
Fixing	Multiple Mounting Option	
<b>In-built LED Lamp</b>	Multiple Mounting Option	
Type	25mtr Beam Torch Lamp	Front LED Reading Lamp
Technology	High efficiency SMD LED Lighting	
Thermal design	Designed to maintain LED Junction Temp. within specified limit	
Protections	Over current, Over temperature, Open LED, Short circuit	
<b>BATTERY</b>	LUMINOUS Solar SMF Battery	
Type	LUMINOUS Solar SMF Battery	
Voltage	12 V	
Capacity	7.5Ah	2x7.5Ah
Battery Box	In-Built	
Low Battery Disconnect	11.3V±0.2V	11.3V±0.2V with all lamps on ; 12.0V±0.2V for DC Fan/T.V output
Battery Boost Voltage	14.4V±0.2V	

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

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 50000 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\*



\* Toll Free Number  
# 24 HR Help Desk Number



EXPERT SOLUTION. EVERLASTING SUPPORT.

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\*Inverter category

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