

# LUMINOUS

## HIGH PERFORMANCE SOLAR BATTERIES



LUMINOUS SOLAR BATTERIES

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 4500 employees, 7 manufacturing units, 28 sales offices and more than 32000 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 CRISIL recognition, Luminous is passionately committed to bring uninterrupted and alternate power solutions to the customers that makes their life comfortable and efficient.

### Solar Batteries

Luminous Solar Flooded Tubular Monoblock Batteries are designed to offer reliable, consistent and low maintenance power for renewable energy requirements and can be subject to deep cycle applications and minimum maintenance in rural and power deficit areas. The batteries have a capacity to withstand partial state of charge (PSOC) operation. These batteries are available in 12 Volts from 20Ah to 200 Ah @ C10 at 27°C.

<b>Container and Lids</b>	Polypropylene Co Polymer
<b>Separators</b>	Polyethylene envelope type
<b>Positive Plate</b>	Tubular low antimony
<b>Negative Plate</b>	Flat pasted
<b>Connectors</b>	Through partition welding
<b>Vent Plugs</b>	PP with float
<b>Sulphuric Acid</b>	1.240 0.010 sp. gravity when fully charged
<b>Self discharge when charged</b>	3% per month @ 27°C
<b>Life Cycle</b>	1500 cycles @ 80% DoD; 3000 cycles @ 50% DoD; 5000 cycles @ 20% DoD
<b>Ah efficiency</b>	Above 90%
<b>Wh efficiency</b>	Above 80%
<b>Topping up frequency</b>	Once in 8-10 months



### SOLAR BATTERY APPLICATIONS

- Solar home lights
- Solar street lighting system
- Solar inverter
- Telecom towers
- Rural & urban electrification
- Power backup in small industry
- Solar power projects
- Various types of solar product



### Technical Specifications

Model Name	Nominal Voltage	C10 Capacity upto 10.5V @ 27°C		Length ± 3	Width ± 3	Total Height (Including terminal) ±3	Dry Weight ± 3%	Filled Weight ± 3%	Electrolyte Volume
	V	Ah	KWH						
<b>For Solar Models:</b>									
<b>LPT1220L</b>	12	20	0.24	260.00	173.00	225.00	9.5	14.2	3.8
<b>LPT1220H</b>	12	20	0.24	260.00	173.00	225.00	10.50	17.5	5.6
<b>LPT1240L</b>	12	40	0.48	410.00	176.00	233.00	15.1	23.3	6.6
<b>LPT1240H</b>	12	40	0.48	410.00	176.00	233.00	15.6	24.8	7.4
<b>LPT1275L</b>	12	75	0.9	505.00	220.00	292.00	18.1	36.3	14.7
<b>LPT1275H</b>	12	75	0.9	505.00	220.00	258.00	20.6	38.1	14.1
<b>LPT12100L</b>	12	100	1.2	505.00	220.00	292.00	26.8	45.8	15.3
<b>LPT12100H</b>	12	100	1.2	517.00	272.00	250.00	27.1	47.5	16.5
<b>LPT12135H</b>	12	135	1.62	517.00	272.00	250.00	32.5	49.1	13.4
<b>LPT12150H</b>	12	150	1.62	517.00	272.00	250.00	38.2	54.5	13.1
<b>LPT12200L</b>	12	200	2.40	503.00	189.00	411.00	41.5	65.5	19.0

Technical Specifications are subject to change without prior notice