



**Govt. of India  
Ministry of New & Renewable Energy  
Solar Energy Centre  
P.O. & Village Gwalpahari, Distt. Gurgaon  
Haryana, India**

**2012-2013**

**TEST REPORT ON BATTERY**

**The Industry is the Manufacturers of Batteries**

Sample ID No. 45/12/BT.

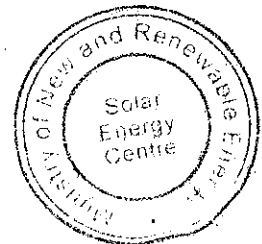
Manufactured by : M/s Luminous Power Technologies Pvt. Ltd., C-8&C-9,  
Community Centre, Janakpuri, New Delhi-110058

Submitted by : M/s Luminous Power Technologies Pvt. Ltd., C-8&C-9,  
Community Centre, Janakpuri, New Delhi-110058

This is a report on measurements of **Capacity rating, Charge efficiency and Self discharge** carried out on the battery (sample no. 45/12/BT) submitted at Solar Energy Centre as per **IS 13369:1992** standards. The data reported in this TEST REPORT are valid at the time of and under the stipulated conditions of measurement and the test results are applicable to this battery only and do not apply to other batteries even though declared to be identical. The data contents in this report do not constitute a qualification test certificate. SEC does not accept any liability for any consequences including commercial or otherwise arising out of the utilization of the information contained in this report.

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*Harish Selgal*



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# TEST REPORT OF LEAD ACID BATTERY

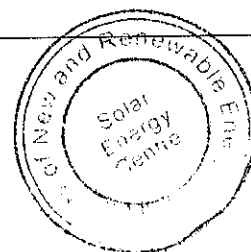
Sample ID No.45/12/BT

**Manufactured by : M/s Luminous Power Technologies Pvt. Ltd., C-8&C-9,  
Community Centre, Janakpuri, New Delhi-110058**

**Submitted by : M/s Luminous Power Technologies Pvt. Ltd., C-8&C-9,  
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S.No	Test Description	Manufacture's Claim	Observations	Remarks
1	(i) Brand (ii) Type (iii) S.No. (iv) Year (v) <u>Rating</u> (a) Voltage (b) Capacity at C10 discharge rate (vi) Dimension (mm) (vii) Weight before testing (kg)	LUMINOUS LeadAcid(LPT1220L) G6C131G1921184 2012  12V 20 Ah  260X173X225  14.2Kg	LUMINOUS LeadAcid(LPT1220L) G6C131G1921184 2012  12V 27.24Ah  260X173X225  13.69Kg	cut off voltage 11.1 V
2	<b>Charging Efficiency:</b> (A) Capacity on discharging at (C 10) constant current continuously up to cut off voltage. (B)Capacity after recharging the battery by 25.21 Ah and then again discharging up to cut off voltage. (C) Charging efficiency		25.21 Ah  23.54 Ah  93.3%	

*Harish Selgal*



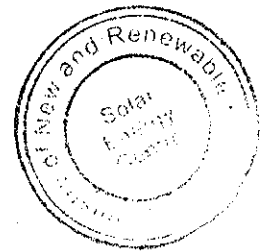
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3	<b>Self discharge test:</b>  (A) Initial Capacity on discharging at (C 10) constant current continuously up to cut off voltage. (B) Final Capacity after keeping 28 days in 27 ±5 deg.C temperature.  (C) Discharge in %		24.03 Ah   21.89Ah   8.9 %	
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Prepared by: *Abir Selgal*  
 Date: *24/09/12*

Approved by: *Mahmood*  
 Date: *24.09.12*

*Shadi*  
 Issued by:  
 Date: *24/9/2012*



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