



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. 46/12/BT.

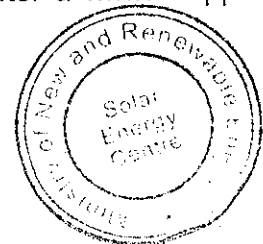
Manufactured by : M/s Luminous Power Technologies Pvt. Ltd., C-8&C-9,
 Community Center, Janakpuri, New Delhi-110058

Submitted by : M/s Luminous Power Technologies Pvt. Ltd., C-8&C-9,
 Community Center, 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. 46/12/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 Sehgal



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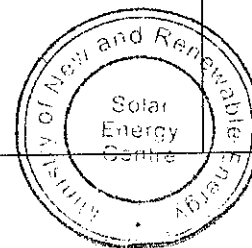
TEST REPORT OF LEAD ACID BATTERY

Sample ID No.46/12/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**

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(LPT1240L) Q5C117G1898822 2012 12V 40 Ah 410 X 176 X 233 23.3 Kg	LUMINOUS LeadAcid(LPT1240L) Q5C117G1898822 2012 12V 47.2Ah 410 X 176 X 233 23.65Kg	cut off voltage 11.1 V
2	Charging Efficiency: (A) Capacity on discharging at (C 10) constant current continuously up to cut off voltage. (B)Capacity after recharging the battery by 44.4 Ah and then again discharging up to cut off voltage. (C) Charging efficiency		44.4Ah 41.2Ah 92.7%	



Harish Selgal

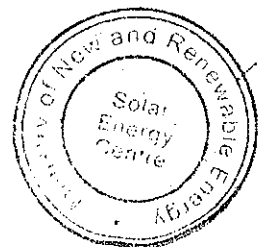
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3	Self discharge test: (A) Initial Capacity on discharging at (C 10) constant current continuously up to cut off voltage. (B) Final Capacity after keeping 28 days in 27 ±5 deg.C temperature. (C) Discharge in %		42.2 Ah 40.86Ah 3.1 %	
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Prepared by: Sanish Seljal
Date: 24/09/12

Approved by: Prabhuvaran
Date: 24.9.12

Sanish
Issued by:
Date: 24/9/2012



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