



NABL ACCR. LAB
Certificate No. T - 0980

Test Report No. AERF/MAL/ 2878/2017

Date : ...16.../06.../2017

TEST REPORT ON

SMF VRLA BATTERY

OB 18-12

12V / 18 Ah



Material Appraisal Laboratory

**ASSOCIATED ELECTRONICS
RESEARCH FOUNDATION**

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 CIN : U00000DL1981NPL011318

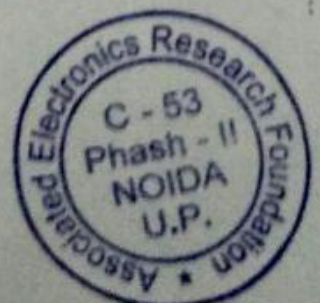
Associated Electronics Research Foundation

C-53, Phase-II Noida-201 305
 (Recognised by DSIR, Govt. of India)
 Centre for Research, Calibration & Testing
 (An NABL Accredited Laboratory in Electrical & Electronics Testing)

Test Report

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1. INDENTOR : OKAYA Power Pvt Ltd.
 (Name & address of the organisation sending items for testing) D- 7, Udyog Nagar, Rohtak Road, New Delhi - 110041
2. Indentor 's reference(Date of Receipt) : 12/ 06 /2017
3. Description and identification of the item(as provided by the indentor)
- i) Nomenclature of the product : SMF / VRLA Battery
- ii) Model/Sr No. : OB 18-12
- iii) Value/Tolerance : 12 V / 18Ah / 20Hrs
- iv) Serial No. : IAUSS06201004855 & IAUSS06201004859
- v) Manufacturer's name : OKAYA Power Pvt Ltd
- vi) Year of manufacture : 2017
- vii) Trade Mark/Make : OKAYA
- viii) Number of samples : Qty 2
- ix) Condition of samples when submitted : Ok
4. a) Applicable Specification : As per JIS C 8702- (Part 1) : 2009
- b) Samples were grouped and numbered as under : As per indentor
- c) Environmental Conditions : 26^oC / 57% R.H
- d) Date of Performance of Test: : 12/06/2017 to 16/06/2017
5. Deviation if, any : None



Authorized Signatory
POOJA JAIN
 Quality Manager
 Associated Electronics Research Foundation
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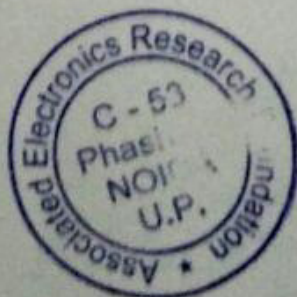
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6. Tests Conducted :

Sr No	Test Parameter	Test Standard with CI No	Test Condition	Observation with test data	Pass / Fail	Remarks
1	Capacity 20 hrs	As per JIS C 8702-1 : 2009 CI 5.1 (a) & 7.1	After fully charged as per JIS C 8702-1: 2009, CI 6.1 battery kept for 5 to 24 hrs at 25°C ±2°C discharge current I ₂₀ = 0.9 amp & final voltage 6 x 1.75 = 10.5V Capacity = t x I ₂₀	Time taken to reach 10.5V End of voltage is 23.93hr Capacity = 23.93hr x 0.9A = 21.54Ah	Pass	
2	High Rate Discharge	As per JIS C 8702-1 : 2009 CI 5.2 & 7.2	Discharge Current 20 x I ₂₀ = 18Amp. End of Voltage 9.6Volt. At 25°C ±2°C discharge time should be 27 mins minimum	Discharge time for end of voltage 9.6Volt is 38.56 mins	Pass	



Authorized Signatory

Quality Manager

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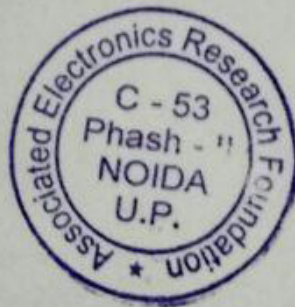
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7. Remarks :

1. This Report refers to the particular item submitted for testing.
2. This Report shall not be reproduced, except in full, unless written permission for the publication of an approved abstract has been obtained from the Authorised Signatory of ASSOCIATED ELECTRONICS RESEARCH FOUNDATION, NOIDA.
3. The results reported in the report are valid at the time of and under the stated conditions of measurement.



Authorized Signatory

Pooja Jain
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