FORM NO: NTH/ALP/F/5



भारत सरकार Government of India

राष्ट्रीय परीक्षण शाला (पूर्वी क्षेत्र)

National Test House (Eastern Region)

11/1, जजेस कोर्ट रोड, अलीपर, कोलकाता - 700 027 11/1, Judges' Court Road, Alipore, Kolkata - 700 027



परीक्षण प्रमाण पत्र

Number of Copies issued Single

परीक्षण प्रमाण पत्र सं Test Certificate No

NTH(ER)/EL(A)/2021/00259B

TEST CERTIFICATE

कोड नं

Date of Issue 17/11/2021

जारी होने की तिथि

Code No 1631530743055

पुष्ठ Page पुष्ठों की संख्वा

No of Pages

INTERIM/FINAL REPORT

Date: 15/07/2021

जिसे जारी करना है

ssued To

पता

Address

OKAYA POWER PRIVATE LIMITED

D-8, Udyog Nagar, Rohtak Road, New Delhi - 110041.

पाइक का सन्दर्भ सं एवं दिनांक

Customer's Ref. No.

पंजिका सं प्रवं दिनांक Register No & Date

परीक्षण सामग्री का विवरण Description of Test Lem

परीक्षण सामग्री का पहचान Identification of Test Item **Email**

00259/NTH(ER)/EL(A)/15/09/2021

One sample consisting of 06 nos. secondary batteries for solar photovoltaic application stated to be 12V 150Ah at C10 rate

Solar Batteries, Brand: OKAYA.

Marking: As in attached sheet "Annexure".

नमुना का विशिष्टि (यदि हों) Product Specification (Famy)

नम्ना प्राप्ति की तिथि Date of Receipt of the Test tem

कार्य सम्पादन की तिथि Date(s) of Performance of Tests

व्यावहत प्रणाली का पहचान Method(s) used for Test

नमुना प्रकिवा वही प्रासंगिक हो Sampling Procedure where relevant Not Applicable.

13/09/2021

From: 06/10/2021

17/11/2021

IS:16270-2014 read with IS:13369-1992 (Amndt. no.1 to 3).

Not Applicable.

Tested By

Sayantan Das

SO Electrical

Checked By

Samriddha Gangopadhyay

SO Electrical

Approved By

Biswa Ranjan Mandal

Scientist- C (Electrical)





भारत सरकार **Government of India**

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पृष्ठीं की संख्या

Date of Issue

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NTH(ER)/EL(A)/2021/00259B

17/11/2021

1631530743055

SI. No.

Test Name

Test Result

Limit

Interim Tests

As in attached sheet "Annexure".

As in attached sheet **Annexure**

टिपणी

Note

केफियत Remarks The sample so far as it has been examined and tested meet the requirements of IS:16270-2014 in respect of tests carried out. Final report will be issued after completion of remaining Test.

Tested By

Sayantan Das

SO Electrical

Checked By

Samriddha Gangopadhyay

SO Electrical

Approved By

Biswa Ranjan Mandal Scientist- C (Electrical)



भारत सरकार **Government of India**

राष्ट्रीय परीक्षण शाला (पूर्वी क्षेत्र) **National Test House (Eastern Region)**

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TEST CERTIFICATE

Test certificate no NTH(ER)/EL(A)/2021/00259B Date of Issue 17/11/2021

Code No 1631530743055

Page 1 No. of Pages 2

"Annexure"

Marking: (i) Printed on both wider sides of a Battery :

OKAYA

NEVER STOP INDIA

SOLAR

TUBULAR BATTERY

ST150S 150 Ah

Capacity 150Ah @ C₁₀ , Sp. Gr.:1.240±0.005 (27°C)

(ii) On the top of a Battery:

Positive polarity embossed with '+' symbol & marked with red colour. Negative polarity embossed with '-' symbol & marked with blue colour.

(iv) Embossed on the top of a Battery: HSTSR37905888694

The marking of the other Batteries are same & identical except Nos. HSTSR37905888679, HSTSR37905888661, HSTSR37905888680, HSTSR37905888720 & HSTSR37905888712. Six nos. 12V,150Ah Batteries were marked randomly as GY1 to GY6 by this laboratory for identification purpose.

Tested By

SO (Electrical)

Checked By f-separtery

Samriddha Gangopadhyay SO (Electrical)

Approved By

Biswa Ranjan Mandal Scientist C (Electrical)



भारत सरकार **Government of India** राष्ट्रीय परीक्षण शाला (पूर्वी क्षेत्र)

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Code No 1631530743055

Page 2 No. of Pages 2

"Annexure"

[Carried out as per IS:16270-2014 read with IS:13369-1992 (Amndt. no.1 to 3)]

SI.	Test Name	st Name Requirements Test Resul					t House The Tay The Tay		Remarks	
1	Test for Capacity: (Carried out as per Cl.8.1 of IS:16270-2014)								Satisfactory	
	The state of the s							AN THETT WA		
	Capacity in ampere-hours (Ah) at C ₁₀ rate corrected to 27 °C	The actual capacity shall not be less than the rated capacity i.e. 150Ah and shall not be more than 130% of the rated capacity i.e 195Ah	GY1	GY2	GY3	GY4	GY5	GY6	LIFELL SHOLL IN	
			161.723	156.737	155.355	162.354	156.828	161.711		
2.	Charge Retention Test: (Carried out as per Cl.8.3 of IS:16270-2014)							EST HOUSE	Satisfactory	
	JULIAN SCATTILL	A CONTRACTOR OF THE PARTY OF TH	T. ON Pal	THOUSE -	Detten	marked	LAND MALL	JES, HORSE	Sterley Offe	
	NATIONAL TEST HOUSE	TENN OFFERN STALL	NATIONAL TE NATIONAL TE	GY5	Battery	y marked	GY6	HEST HOUSE ALTEST HOUSE WALTEST HO	A STANDARD OF THE	
	Loss of capacity	Shall not exceed 10%	ATIONAL TO MATIONAL M	GY5 8.3	Battery	y marked	- Later	TES HOUSE NUME TEST HOUSE TOWN TEST HO TOWN TEST		
7 3.	Loss of capacity (in %):	Shall not exceed 10%	HATOMAL TE HATOMAL HATOMAL FIT HATOMAL ETT HATOMAL ETT HATOMAL	TLES, HORE	Battery	y marked	GY6	TEST HOUSE NUME TEST HOUSE NOWN TEST HO NOWN TEST HO NOWN TEST HOUSE NATIONAL TEST NATIONAL TEST NATIONAL TEST	Satisfactory	
3.	Loss of capacity (in %):	Shall not exceed 10%	HATOMAL TE HATOMAL HATOMAL FIT HATOMAL ETT HATOMAL ETT HATOMAL	TLES, HORE	E TIETH OUSE TIET ST HOUSE ST HOUSE	y marked	GY6 4.1	TEST HOUSE NAME TEST HOUSE TOWN TEST HOUSE TOWN TEST HOUSE TEST HATTOWN TEST NATIONAL	Satisfactory	
7 3.	Loss of capacity (in %):	Shall not exceed 10%	HATOMAL TE HATOMAL HATOMAL FIT HATOMAL ETT HATOMAL ETT HATOMAL	TLES, HORE	Batter		GY6 4.1	TEST HOUSE NAL TEST HOUSE TOWN TEST HOUSE TOWN TEST HOUSE TOWN TEST HOUSE TOWN TEST HOUSE NATIONAL TEST NATIONAL TEST	Satisfactory	

Tested By

Sayantan Das SO (Electrical) **Checked By**

Samriddha Gangopadhyay SO (Electrical)

separtho

Approved By

Biswa Ranjan Mandal Scientist C (Electrical)