



भारत सरकार  
Government of India

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

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

परीक्षण प्रमाण पत्र



Number of Copies issued Single

TEST CERTIFICATE

INTERIM/FINAL REPORT

परीक्षण प्रमाण पत्र सं.  
Test Certificate No

जारी होने की तिथि  
Date of Issue

कोड नं  
Code No

पृष्ठ  
Page

पृष्ठों की संख्या  
No of Pages

NTH(ER)/EL(A)/2021/00293

27/07/2022

1635236354113

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जिसे जारी करना है

OKAYA POWER PRIVATE LIMITED

Issued To

पता

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

Address

ग्राहक का संदर्भ सं एवं दिनांक

Customer's Ref. No.

Email

Date: 16/04/2021

पंजिका सं एवं दिनांक

Register No & Date

00293/NTH(ER)/EL(A)/28/10/2021

परीक्षण सामग्री का विवरण

Description of Test Item

One sample consisting of 08 nos. secondary batteries for solar photovoltaic application stated to be 12V 20Ah at C10 rate Solar Batteries,Brand:OKAYA.

परीक्षण सामग्री का पहचान

Identification of Test Item

Marking:Please refer to Interim Test Certificate NTH(ER)/EL(A)/2021/00293.

नमूना का विशिष्टि (यदि हों)

Product Specification (If any)

Not Applicable.

नमूना प्राप्ति की तिथि

Date of Receipt of the Test Item

26/10/2021

कार्य सम्पादन की तिथि

Date(s) of Performance of Tests

From: 23/03/2022

To: 22/07/2022

व्यावहृत प्रणाली का पहचान

Method(s) used for Test

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

नमूना प्रक्रिया चहाँ प्रासंगिक हों

Sampling Procedure where relevant

Not Applicable.

Tested By

*Samridha Gangopadhyay*

Samridha Gangopadhyay

SO Electrical

Checked By

*Arvind Singh Negi*

Arvind Singh Negi

Scientist- B (Electrical)

Approved By

*Biswa Ranjan Mandal*

Biswa Ranjan Mandal

Scientist- C (Electrical)





सत्यमेव जयते

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Sl. No.

Test Name

Test Result

Limit

1

Interim Report

As in attached sheet "IS:16270".

As in attached sheet

2

Final Report

As in attached sheet Annexure.

As in attached sheet  
Annexure

टिप्पणी

Note

1. Annexure consisting of 01 no. of page forms part of the test certificate.  
2. Tests carried out at permanent test facility located at NTH(ER), Alipore.

- The sample so far as it has been examined and tested meets the requirement of IS : 16270-2014 in respect of test carried out.

कैफियत

Remarks

Tested By

Samriddha Gangopadhyay

SO Electrical

Checked By

Arvind Singh Negi

Scientist- B (Electrical)

Approved By

Biswa Ranjan Mandal

Scientist- C (Electrical)





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## TEST CERTIFICATE

Test certificate no  
NTH(ER)/EL(A)/2021/00293

Date of Issue  
26/07/2022

Code No  
1635236354113

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"Annexure"

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

Sl. No.	Test Name	Requirements	Test Result	Remarks
1.	<b>Cycling endurance in photovoltaic application (extreme conditions) :</b> (Carried out as per Cl.8.4 of of IS:16270-2014)			Satisfactory.
	At the end of 3 (A + B) sequences of (150 cycles) Capacity in Ampere-hour after the phase B :	At the end of the test the C <sub>120</sub> capacity shall not be less than 80 percent of the rated i.e 16Ah.	Battery marked	
			HA8	
			22.87	
2.	<b>Endurance Test :</b> [Carried out as per Cl 8.2 of IS:16270-2014 read with Cl.11.7 of IS:13369-1992 (Amndt. no.1 to 3)]			Satisfactory.
	Final Discharge duration in hrs. at C <sub>10</sub> rate at the end of the Endurance cycles period of 2000 Hrs.	The battery shall give not less than 9 Hrs.of discharge at the final test discharge after the last period of charge.	Battery marked	
			HA7	
			13.96	

Tested By

Samriddha Gangopadhyay  
SO (Electrical)

Checked By

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Scientist - B (Electrical)

Approved By

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Scientist - C (Electrical)