



सत्यमेव जयते

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

कोड नं

पृष्ठ

पृष्ठों की संख्या

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

Date of Issue  
17/11/2021

Code No  
1631530743055

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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 सन्दर्भ सं एवं दिनांक

Customer's Ref. No.

Email

Date: 15/07/2021

पंजिका सं एवं दिनांक

Register No &amp; Date

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

परीक्षण सामग्री का विवरण

Description of Test Item

One sample consisting of 06 nos. secondary batteries for solar photovoltaic application stated to be 12V 120Ah at C10 rate Solar Batteries,Brand:OKAYA.

परीक्षण सामग्री का पहचान

Identification of Test Item

Marking:As In attached sheet "Annexure".

नमूना का विशिष्टि (यदि हों)

Product Specification (If any)

Not Applicable.

नमूना प्राप्ति की तिथि

Date of Receipt of the Test Item

13/09/2021

कार्य सम्पादन की तिथि

Date(s) of Performance of Tests

From: 06/10/2021

To: 17/11/2021

ब्यावहृत प्रणाली का पहचान

Method(s) used for Test

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

नमूना प्रक्रिया जहाँ प्रासंगिक हों

Sampling Procedure where relevant

Not Applicable.

Tested By

Samridha Gangopadhyay

SO Electrical

Checked By

Biswa Ranjan Mandal

Scientist- C (Electrical)

Approved By

Biswa Ranjan Mandal

Scientist- C (Electrical)



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FORM NO : NTH/ALP/F/5



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पृष्ठों की संख्या

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Sl. No.

Test Name

Test Result

Limit

1

Interim Tests

As In attached sheet "Annexure".

As In attached sheet  
Annexure

टिप्पणी

Note

कैफियत  
Remarks

: The Sample so far it has been examined and tested meets the requirements of IS:16270:2014 in respect of Test Carried out. Final report will be Issued after completion of remaining Test.

Tested By

Samriddha Gangopadhyay

SO Electrical

Checked By

Biswa Ranjan Mandal  
Scientist- C (Electrical)

Approved By

Biswa Ranjan Mandal  
Scientist- C (Electrical)



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"Annexure"

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

OKAYA  
NEVER STOP INDIA  
SOLAR  
TUBULAR BATTERY  
ST120S  
120 Ah  
Capacity 120Ah @ C<sub>10</sub> , 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 :

HSTVR39905884912

The marking of the other Batteries are same & identical except Nos. HSTVR39905883671, HSTVR39905883476, HSTVR39905884913, HSTVR39905883440 & HSTVR39905884914. Six nos. 12V,120Ah Batteries were marked randomly as GZ1 to GZ6 by this laboratory for identification purpose.

Tested By

*Samridha Gangopadhyay*

Samridha Gangopadhyay  
SO (Electrical)

Checked By

*Biswa Ranjan Mandal*  
Biswa Ranjan Mandal  
Scientist C (Electrical)

Approved By

*Biswa Ranjan Mandal*  
Biswa Ranjan Mandal  
Scientist C (Electrical)



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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>Test for Capacity :</b> (Carried out as per Cl.8.1 of IS:16270-2014)								Satisfactory
	Capacity in ampere-hours (Ah) at C <sub>10</sub> rate corrected to 27 °C	The actual capacity shall not be less than the rated capacity i.e. 120Ah and shall not be more than 130% of the rated capacity i.e. 156Ah	Battery marked						
			GZ1	GZ2	GZ3	GZ4	GZ5	GZ6	
			151.612	147.976	146.939	142.441	148.085	150.385	
2.	<b>Charge Retention Test :</b> (Carried out as per Cl.8.3 of IS:16270-2014)								Satisfactory
	Loss of capacity (in %) :	Shall not exceed 10%	Battery marked						
			GZ5			GZ6			
			2.2			3.2			
3.	<b>Water Loss Test :</b> (Carried out as per Cl.8.6 of IS:16270-2014)								Satisfactory
	Loss of Water (in g/Ah/Battery) :	18 (Maximum)	Battery marked						
			GZ2						
			12.12						

Tested By

*Samridha Gangopadhyay*

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