FORM NO : NTH/ALP/F/5



Number of Copies issued Single परीशण प्रमाण पत्र सं Test Certificate No

NTH(ER)/EL(A)/2021/0021A

जिसे जारी करना है **ksued** To पता Address

ग्राहक का सन्दर्भ सं एवं दिनांक Customer's Ref. No.

पंजिका सं एवं दिनांक Register No & Date

परीक्षण सामग्री का जिवरण Description of Test Item

परीक्षण सामग्री का पहचान Identification of Test Item

नम्ना का विशिष्टि (यदि हों) Product Specification (F any)

नम्ना प्राप्ति की तिथि Date of Receipt of the Test Item

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

व्यावद्वत प्रणाली का पहचान Method(s) used for Test

नम्ना प्रकिवा बही प्रासंगिक हों Sampling Procedure where relevant TEST CERTIFICATE

भारत सरकार **Government of India** राष्ट्रीय परीक्षण शाला (पुवी क्षेत्र) National Test House (Eastern Region) 11/1, जजेस कोर्ट रोड, अलीपुर, कोलकाता - 700 027 11/1, Judges' Court Road, Alipore, Kolkata - 700 027

जारी होने की तिथि Date of Issue 19/02/2021

कोड नं Code No 1593065478368 पुष्ठ Page

पष्ठी की संख्या No of Pages

INTERIM/FINAL REPORT

OKAYA POWER PRIVATE LIMITED

D-7,Udyog Nagar,Rohtak Road, New Delhi - 110041.

Email

Date: 16/04/2020

0021/NTH(ER)/EL(A)/15/01/2021

One sample consisting of 06 nos. Lead Acid batteries stated to be 12V 40Ah at C10 rate Solar Batteries, Brand: OKAYA.

Marking:As in attached sheet "IS:16270".

Not Applicable.

25/06/2020

From: 15/01/2021

19/02/2021

Not Applicable.

**Checked By** 

Jusepadhmy Samriddha Gangopadhyay **SO Electrical** 

Approved By

awson Pradip Kumar Bera Scientist- C (Electrical)

Tested By

Sayantan Das **SO Electrical** 

IS:16270-2014.

To:

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, अलीपुर, कोलकाता - 700 027 सत्यमेव जयत 11/1, Judges' Court Road, Alipore, Kolkata - 700 027 परीक्षण प्रमाण पत्र Number of Copies issued Single INTERIM/FINAL REPORT **TEST CERTIFICATE** परीशण प्रमाण पन्न सं जारी होने की तिथि कोड नं पृष्ठी की संख्या Test Certificate No पुष्ठ Date of Issue Code No Page No of Pages NTH(ER)/EL(A)/2021/0021A 19/02/2021 1593065478368 2

SI. No.

1

**Test Name** 

**Test Result** 

Limit

**Discrete Tests** 

As in attached sheet "IS:16270".

As in attached sheet "IS:16270".

टिप्पणी Nate

कैफियत Remarks The sample so far as it has been examined and tested meets the requirements of specification no. IS:16270-2014 in respect of tests carried out.

Tested By Sayantan Das SO Electrical

**Checked By** 5-sopadhyur

Samriddha Gangopadhyay SO Electrical Approved By

Pradip Kumar Bera Scientist- C (Electrical)

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



# TEST CERTIFICATE

Test certificate no NTH(ER)/EL(A)/2021/0021A Date of Issue 19/02/2021 Code No 1593065478368

Page 1 No. of Pages 3

"IS:16270"

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

OKAYA Chalti Rahe Yeh Zindagi SOLAR TUBULAR BATTERY ST040S Capacity 40Ah @ C<sub>10</sub> , Sp. Gr.:1.240±0.005 (27°C)

(ii) Printed on narrow side of a Battery :

SOLAR PHOTOVOLTAIC & OTHER DEEP CYCLING APPLICATIONS MAINTENANCE TIPS

- 1. Normal recharge voltage to be set 2.25 volts per cell (13.5 for 12V Battery)
- 2. The maximum charging current should not exceed 8 Amps.
- The battery should be topped with battery grade distilled water upto the bottom of the filling spout approximately once in 4-6 months.
- DO NOT ADD ACID
- 4. The terminal connections should be kept tight and covered with petroleum jelly.
- 5. Terminals must be covered with shrouds to avoid any short circuit.
- 6. The battery top should be kept clean and dry.

### CAUTION

1. Keep away from sparks ,cigarettes,open flame. These can cause EXPLOSIONS.

- 2. Contact with ACID from battery can cause SEVERE BURNS.
- 3. Keep out of reach of CHILDREN.
- 4. Remove vent caps before INITIAL CHARGING.
- 5. Replace with ceramic vent plugs.
- OKAYA
- SOLAR

(iii) On the top of a Battery :

Positive polarity embossed with '+' symbol & marked with red colour. Negative polarity embossed with '-' symbol & marked with blue colour. OKAYA (Embossed)

**Tested By** 

Checked By

Approved By

Sayantan Das SO Electrical

Samriddha Gangopadhyay SO Electrical

Pradip Kumar Bera Scientist C (Electrical)

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





Test certificate no NTH(ER)/EL(A)/2021/0021A Date of Issue 19/02/2021

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"IS:16270

(iv) Engraved on the top of a Battery HSIGR02905009113

The marking of the other Batteries are same & identical except Nos. HSIGR02905009110 HSIGR02905009109, HSIGR02905009112, HSIGR02905009103 & HSIGR02905009100. Six nos. 12V,40Ah Batteries were marked randomly as GP1,GP2,GP3,GP4,GP5 & GP6 by this laboratory for identification purpose.

### Tests :

[Carried out as per IS:16270-2014 & customer requirements]

SI. No.	Test Name	Requirements	E FR	य परीक्षण	Test F	Result	ALTEST HC	OUSE T	Remarks Satisfactory	
NATIC NATIC	Test for Capacity : (Carried out as per Cl.8.1 of the specification read with IS:13369-1992)									
	WINTES HOUSE TRA	Battery marked								
	DIONE TEST HOUSE TT	तिव परीक्षण शाला भगाणभा गर्भ	GP1	GP2	GP3	GP4	GP5	GP6		
	Capacity (Ab)		51.721Ah	51.647Ah	50.841Ah	51.776Ah	51.804Ah	43.195Ah	Satisfactory	
2.	Charge Retention Test: (Carried out as per CI.8.3 of the specification read with IS:13369-1992)									
	Loss of capacity	Shall not exceed 10%							UNTIONAL TEST !	
	(in %):		GP1 GP2			ता शाला	WATIONAL TEST			
	a return street without the house they with			5.56	TESTHO	JEE T	5.05		TIGT NATIONAL TE	

Tested By Sayantan Das SO Electrical

**Checked By** 

Approved By

nsopaeting

Samriddha Gangopadhyay SO Electrical

Ksn Pradip Kumar Bera Scientist C (Electrical)



## भारत सरकार Government of India राष्ट्रीय परीक्षण शाला (पूर्वी क्षेत्र) National Test House (Eastern Region) 11/1, जजेस कोर्ट रोड, अलीपुर, कोलकाता - 700 027 11/1, Judges' Court Road, Alipore, Kolkata - 700 027





TEST CERTIFICATE

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Test certificate no NTH(ER)/EL(A)/2021/0021A Code No 1593065478368

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SI. No.	Test Name	Requirements	Test Result	Remarks
3.	Recovery from sulf (Carried out as per	Satisfactory		
	Discharge duration	NATIONAL TEST HOUSE TREP	Battery marked	the day them allow N
	of battery in Hrs. at 120h rate to an end voltage of 1.9V/Cell		GP3 TO HOUSE	तिर्देशि वरीक्षणा झाला
		The battery shall give at least 108 hrs.	125.88 Hrs.	राष्ट्रीय मरीक्षण झाला
4.	Water loss on Floa (Carried out as per C	Satisfactory		
	L TEST HOUSE TREAM	TRUT STEPT NATIONAL TEST HU	Battery marked	OUSE THE ARIAN
	NTES HOUSE TREAM	TRAIN PITCH NATIONAL TEST	GP4	THOUSE TRATA AD
	Loss of Water (in g/Ah/Battery) :	18 (Maximum)	12.45	THOUSE TRAN

**Tested By** 

Sayantan Das SO Electrical

Checked By

sopadhying g Samriddha Gangopadhyay SO Electrical

Approved By

-K Pradip Kumar Bera Scientist C (Electrical)