

TEST REPORT

TUV India Pvt. Ltd,

Plot No.105, Sy.no 90, 92 & 93 Peenya village, Peenya 3rd phase, Yeshwanthapura Hobli, Bangalore North, Bangalore – 560058, Karnataka, India.

Tel No: (080) 2837 6571, (080) 2837 6572

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Report No: TUVB/PTL/21-22/BA/0002

Date of issue: 11-10-2021

1. **Job Card No.** : TUVB/21-22/BA/0002
2. **Job Order No.** : 8119618744
3. **Sample ID** : TUV/BLR210929-0005
4. **Service Requested by** : **SAI ACCUMULATOR INDUSTRIES**
Plot No. 52,53 & 76 Sangamner Co. Op., Ind. Estate. Ltd, Sangamner, Maharashtra 422608.
5. **Report Issued to** : **SAI ACCUMULATOR INDUSTRIES**
Plot No. 52,53 & 76 Sangamner Co. Op., Ind. Estate. Ltd, Sangamner, Maharashtra 422608.

Issued By:

Mahalakshmi T G



Mahalakshmi T G
(Officer- Front Office & Customer relation)

Date: 11-10-2021

Test Report

TUV INDIA PRIVATE LIMITED

Plot No.105, Sy.no 90, 92 & 93 Peenya village,
Peenya 3rd phase, Yeshwanthapura Hobli,
Bangalore North, Bangalore – 560058,
Karnataka, India.

CIN U74140MH1989PTC052930

Tel : 080 28376571 / 72

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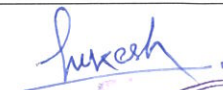
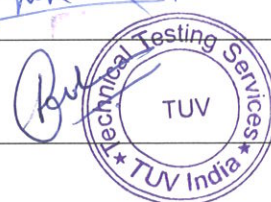
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TEST REPORT IEC 60896 Stationary lead-acid batteries — Part 11:Vented types — General requirements and Methods of tests	
Report Number.....:	TUVB/PTL/21-22/BA/0002
Date of issue.....:	11-10-2021
Total number of pages	06
Name of Testing Laboratory preparing the Report	TUV India Private Limited
Applicant's name	SAI ACCUMULATOR INDUSTRIES
Address.....:	Plot No. 52,53 & 76 Sangamner Co. Op., Ind. Estate. Ltd, Sangamner, Maharashtra 422608
Other Aspects:	This test report relates to the test sample submitted. This report contains total of 7 pages including one attachment.
Test specification: Standard : IEC 60896-11:2002 Test procedure : IEC 60896-11:2002 Non-standard test method : N/A	
Test Report Form No.:	IEC 60896_11
Date (s) of Performance Tests.....:	04-10-2021 to 05-10-2021
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Dated:- 11-10-2021

Test item description.....:	200 Ah Deep Cycle solar Tubular Battery	
Trade Mark(s)		
Manufacturer	SAI ACCUMULATOR INDUSTRIES	
Model/Type reference.....:	TT200	
Ratings.....:	12V200Ah@C20	
Responsible Testing Laboratory (as applicable), testing procedure and testing location(s):		
☐ Testing Laboratory:	TUV India Private Limited	
Testing location/ address	Plot No.105, Sy.no 90, 92 & 93 Peenya village, Peenya 3rd phase, Yeshwanthapura Hobli, Bangalore North, Bangalore – 560058, Karnataka, India.	
Tested by (name, function, signature).....:	Mr. Lukesh Bramhapurikar (Test Engineer)	
Approved by (name, function, signature) ..:	Mr. Athith Kumar V H (Senior Engineer)	 

IEC 60896-11			
Clause	Requirement + Test	Result - Remark	Verdict
	Functional Characteristics	See Below	P
	TEST SET-UP (IEC 60896-11:2002)	See Below	P
12	Accuracy of measuring instruments	See Below	P
12.1	Electrical Measuring Instruments	See Below	P
12.1.1	Ranges of Measuring Devices	See Below	P
12.1.2	Voltage measurements	See Below	P
	The instruments used shall be of an accuracy class 0,5 or better where required. The resistance of the voltmeters shall be at least 1K Ω /V.	Accurate Instrument used	P
12.1.3	Current measurements	See Below	P
	The instruments used shall be of an accuracy class 0,5 or better where required.	Accurate Instrument used	P
12.2	Temperature measurement	See Below	P
	For measuring temperature, thermometers shall be used having suitable measuring range in which the value of each graduated division is not exceed of 1°C.	Accurate Instrument used	P
12.4	Time measurements	See Below	P
	The time measurements shall have of an accuracy of ± 1 % or better where required.	Accurate Instrument used	P

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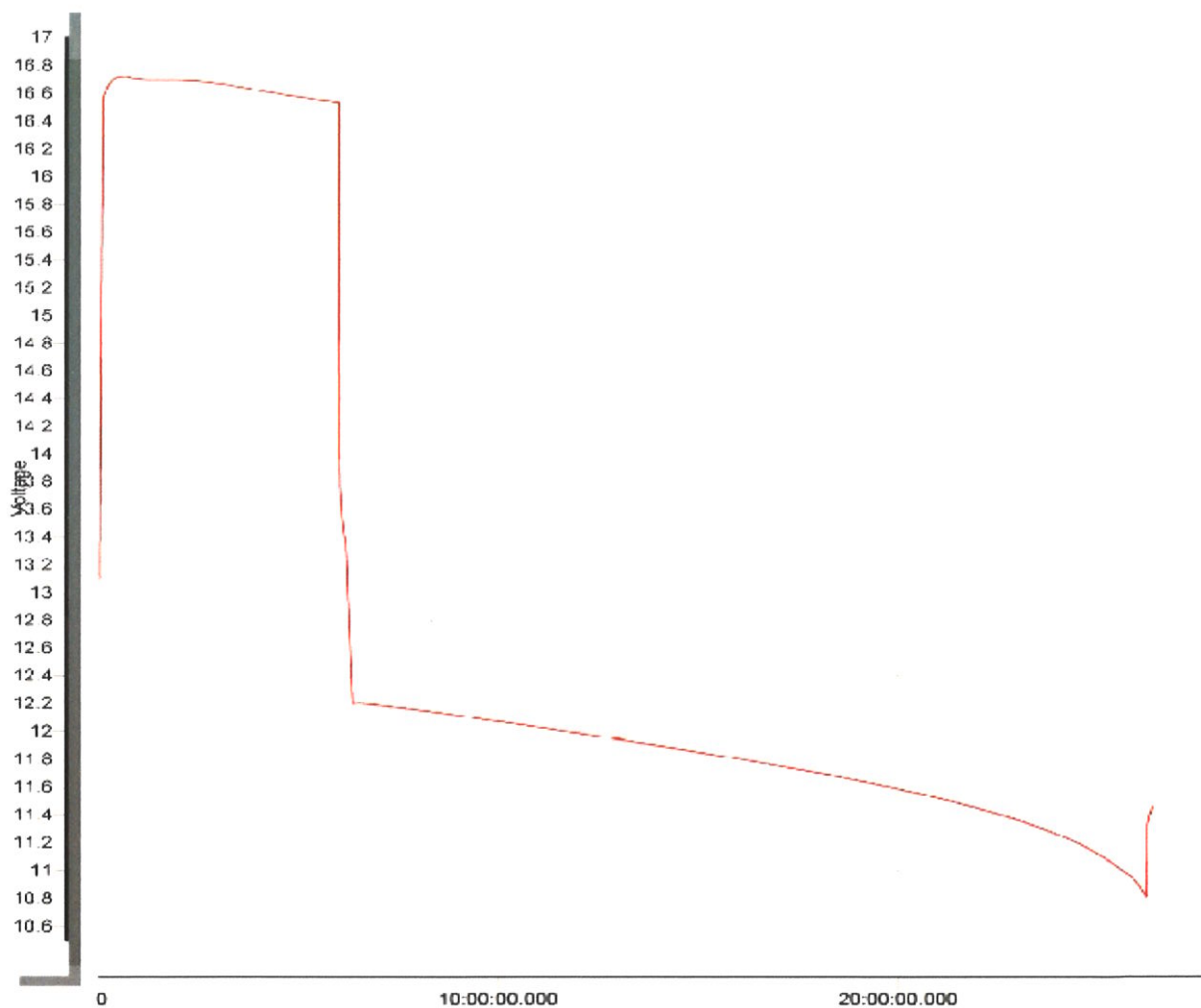
Dated:- 11-10-2021

Clause No. 7	Discharge capacity	Verdict:	P
Test method	The Purpose of this test is to confirm the capacity of the cells/ Batteries to a specific end voltage at the selected discharge rate. Regarding the 200 Ah plate Discharge Rate for 200Ah conducted at 20 hour rate up to specified final voltage.		
Discharge Capacity C ₂₀ (20 h rate) 1. The discharge shall be started within 1 h to 24 h after fully charged. 2. Discharged with a constant current I ₁₀ to U _{final} = 10.81 V 3. Recorded discharge time and calculated capacity.			
Model name:	TT200		
Requirements	Discharge Capacity found within limit.		
Summary of Test Results			
Rate		C ₂₀ (20 Hour rate)	
Charge Current Rate		18A	
Discharge Current Rate		10A	
Nominal Voltage		12V	
Final Discharge Voltage		10.81V	
Test Temperature		22°C	
Battery Nominal Capacity (20h Rate)		200 Ah	
Measured Capacity		199.99	
Result		99.99% of rated capacity	
Supplementary Information : Nil			

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Measurement [896] Battery Name [00001] Circuit [Circuit-002] Program [101 - SaiAccumulator200Ah14Acharge] Start Time [04-10-2021 11:21] Stop Time [05-10-2021 13:41] Order No. [] Test Section [TS000894]



Voltage

Graph



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List of test equipment used:

SI No.	Model No. / Name of Equipment	Equipment ID	Last Calibration date	Calibration due date
1	UBT 25-018-6 ME Universal Battery Tester	TUVB-PTL-BA-001A	18-09-2021	18-09-2022

***** End of Test Report *****