Quality And Accreditation Institute

Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)

Certificate of Accreditation

Energon Solutions Private Limited

E-11, MIDC, Sinnar Industrial Area, Malegaon, Sinnar,
Nashik-422113, Maharashtra, India

has been assessed and accredited in accordance with the Standard

ISO/IEC 17025:2017

"General Requirements for the Competence of Testing and Calibration Laboratories"
In the field of

Testing

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued compliance to the above standard & any other requirements specified by QAI.

QAI/CIA/TL/2024/0076

Valid from: ***12 September 2024***

Valid until: ***11 September 2026***

Dr. Bhupendra Kumar Rana
Chief Executive Officer

Prof. Vikram Kumar
Chair, CIA

User is advised to verify the current scope of accreditation by visiting our website: www.qai.org.in

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Scope of Accreditation

Energon Solutions Private Limited

E-11, MIDC, Sinnar Industrial Area, Malegaon, Sinnar,
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Accreditation Standard: ISO/IEC 17025:2017

Electrical Testing			
Sl. No.	**Product(s)/Material of Test**	**Specific Tests Performed**	**Test Method**
	Cells and Batteries		
1.	Small sized valve regulated lead-acid batteries-Part 1: General requirements, functional characteristics-Methods of test	Actual capacity at the 20-hour discharge rate C_{20}	JIS C 8702-1:2009, Cl. No. 5.1 a & 7.1 a
2.		Actual capacity at the 1-hour discharge rate C_1	JIS C 8702-1:2009, Cl. No. 5.1 b & 7.1 b
3.		Cycle service endurance	JIS C 8702-1:2009, Cl. No. 5.3
4.		Endurance in trickle Application at 40^0C	JIS C 8702-1:2009, Cl. No. 5.8 & 7.8
5.		High-rate discharge characteristics	JIS C 8702-1:2009, Cl. No. 7.2 & 5.2
6.		Marking-visual examination	JIS C 8702-1:2009, Cl. No. 4.3
7.		Storage characteristics	JIS C 8702-1:2009, Cl. No. 7.4 & 5.4
8.		Maximum permissible current characteristics	JIS C 8702-1:2009, Cl. No. 5.5
9.		Shock resistance characteristics	JIS C 8702-1:2009, Cl. No. 5.12
10.		Charge acceptance characteristics after deep discharge	JIS C 8702-1:2009, Cl. No. 7.6
11.	Stationary valve regulated lead acid batteries Specifications	AGM separators (Acid retention capability test on separators)	IS 15549: 2005+A3: 2018 Cl. No. 12.1.1
12.		Wicking test on separators	IS 15549: 2005+A3: 2018 Cl. No. 12.7
13.		C_1 capacity	IS 15549: 2005+A3: 2018 Cl. No. 12.2
14.		C_{10} capacity	IS 15549: 2005+A3: 2018 Cl. No. 12.1
15.		Ampere hour and watt hour efficiency	IS 15549: 2005+A3: 2018 Cl. No. 12.5

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	Cells and Batteries		
16.		Capacity at other discharge rates (C_{20} test)	IS 15549: 2005+A3:2018 Cl. No. 12.3
17.		Endurance life cycle test	IS 15549: 2005+A3:2018 Cl. No. 12.10
18.		Test for retention of charge	IS 15549: 2005+A3:2018 Cl. No. 12.6
19.		Marking on cell	IS 15549: 2005+A3:2018 Cl. No. 7.5.6 & 8
20.		Material and construction	IS 15549: 2005+A3:2018 Cl. No. 4
21.	Stationary lead-acid batteries	Charge retention during storage	IEC 60896-21:2004 IEC 60896-22:2004 Cl. No. 6.12
22.		Discharge capacity	IEC 60896-21:2004 IEC 60896-22:2004 Cl. No. 6.11
23.		Material identification	IEC 60896-21:2004 IEC 60896-22:2004 Cl. No. 6.7
24.		Abusive over-discharge	IEC 60896-21:2004 IEC 60896-22:2004 Cl. No. 6.17
25.	Lead acid battery for motorcycle	C_{10} Capacity	JISD 5302:2022
26.		High-rate discharge characteristics	JISD 5302:2022
27.		Deep cycle endurance	JISD 5302:2022

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Electrical Testing			
Sl. No.	**Product(s)/Material of Test**	**Specific Tests Performed**	**Test Method**
	Cells and Batteries		
28.		Shallow cycle endurance	JISD 5302:2022
29.		Characteristics of electrolyte decreases	JISD 5302:2022
30.		Storage characteristics	JISD 5302:2022