



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

BW ENERGY & INNOVATION LLC
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ELECTRICAL

Valid To: May 31, 2025

Certificate Number: 3307.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests:

| <u>Test Types/Test Capabilities:</u> | <u>Test Method ^{1,2}:</u> |
|--|---|
| Comprehensive Life Test for 12 V Automotive Storage Batteries | SAE J2801 |
| Life Test for Automotive Storage Batteries | SAE J240 |
| Flame Arrestor Vent for Lead Acid Batteries | SAE J1495 |
| Charge Acceptance for Lead Acid Storage Batteries | SAE J537 |
| Cold Cranking for Lead Acid Storage Batteries | SAE J537 |
| Life Test for Heavy-Duty Storage Batteries | SAE J2185 |
| Reserve Capacity for Lead Acid Batteries | SAE J537 |
| Lead-Acid Batteries for Motorcycles, Tricycles, and Quadricycles | ABNT NBR 15941 (<i>excluding section 5.3.8 [Vibration]</i>) |
| Lead-Acid Batteries for Use in Motor Vehicles of Four or More Wheels | ABNT NBR 15940 (<i>excluding section 8.5.8 [Vibration]</i>) |

¹Also using customer supplied specifications using the following test parameters and ranges directly related to the types of tests and test equipment capabilities listed above.

Parameter:

Range:

| | |
|----------------|-----------------------|
| VDC - Measure | (0 to 63) V |
| VDC - Source | (0 to 63) V |
| ADC - Measure | (-200 to 2000) A |
| ADC - Source | (-2000 to 2000) A |
| Power - Source | (-18,200 to 18,000) W |
| Temperature | (-40 to 90) °C |

² When the date, edition, version, etc. is not identified in the scope of accreditation, laboratories may use the version that immediately precedes the current version for a period of one year from the date of publication of the standard measurement method, per part C., Section 1 of A2LA *R101 - General Requirements- Accreditation of ISO-IEC 17025 Laboratories*.

On the following products or types of products:

Batteries, including but not limited to: lithium ion, lead acid and NiMH at the cell, module, and pack levels.





Accredited Laboratory

A2LA has accredited

BW ENERGY & INNOVATION LLC

Greenfield, IN

for technical competence in the field of

Electrical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).



Presented this 8th day of August 2023.

A blue ink signature of Mr. Trace McInturff, written over a horizontal line.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 3307.01
Valid to May 31, 2025
Revised: March 4, 2024

For the types of tests to which this accreditation applies, please refer to the laboratory's Electrical Scope of Accreditation.