



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017¹

ENERGY ASSURANCE, LLC
2350 Centennial Drive
Gainesville, GA 30504
Laura Harrod Phone: 404-954-2054

ELECTRICAL

Valid To: November 30, 2023

Certificate Number: 6836.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory at the location listed above, as well as, the satellite location listed below, to perform the following tests on lithium primary batteries, lithium secondary batteries, nickel secondary batteries, and alkaline primary batteries:

Test:

Test Method(s):

Charge and Discharge, Capacity or Endurance
Cycling, Storage, Duty Cycle and Float

UN Manual of Tests-UN 38.3;
IEC 62281, 62133-1, 62133-2, 61960-3, 60086-2;
UL 1642;
UL/CSA 62133-1, 62133-2;
RTCA DO-293, 311, 347;
ANSI C18.1M, Part 1;
Soteria Mark Certification Standard

External Short Circuit of Batteries and Cells,
Incorrect Installation

UN Manual of Tests-UN 38.3;
IEC 62281, 62133-1, 62133-2;
UL 1642, 2054;
RTCA DO-293, 311;
Soteria Mark Certification Standard

Overcharge/Abnormal Charge

UN Manual of Tests-UN 38.3;
IEC 62281, 62133-1, 62133-2;
UL 62133-2, 2054, 1642;
RTCA DO-293, 311, 347;
Soteria Mark Certification Standard

Forced Discharge

IEC 62133-1, 62133-2;
UL 62133-2

Test:

Test Method(s):

Insulation and Wiring (Dielectric Strength)

IEC 62133-1,62133-2;
UL 62133-2;
RTCA DO-293, 311, 347;
EN 60950-1, 62368-1

Battery Internal Resistance

IEC 61960;
RTCA DO- 347

Deep Discharge (Overdischarge)

RTCA DO-293, 311, 347

Thermal Runaway Containment (Explosion Containment)

RTCA DO-311, 347

Limited Power Source

UL 2054;
EN 60950-1, 62368-1

¹ This accreditation covers testing performed at the main laboratory, as well as the satellite laboratory listed below.

ENERGY ASSURANCE, LLC
10 Avenue E
Hopkinton, MA 01748

Test:

Test Method(s):

Charge and Discharge, Capacity or Endurance
Cycling, Duty Cycle and Float

United States Advanced Battery Consortium
Battery Test Manual for 48 Volt Mild Hybrid
Electric Vehicles

Hybrid Pulse Power Characterization Test (HPPC)

United States Advanced Battery Consortium
Battery Test Manual for 48 Volt Mild
Hybrid Electric Vehicles;
United States Advanced Battery Consortium
Battery Test Manual for Electric Vehicles

Calendar Life/Storage Test

United States Advance Battery Consortium
Battery Test Manual for 48 Volt Mild
Hybrid Electric Vehicles;
United States Advanced Battery Consortium
Battery Test Manual for Electric Vehicles





Accredited Laboratory

A2LA has accredited

ENERGY ASSURANCE, LLC

Gainesville, GA

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 16th day of August 2022.

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 6836.01
Valid to November 30, 2023

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