

Third-party testing agency for lithium batteries

Why should you use element for lithium battery testing?

Ensure safety, performance, and regulatory compliance with comprehensive lithium battery testing. Element's advanced laboratories have the expertise and capacity to test lithium metal and lithium-ion batteries for any application, from medical devices to electric vehicles.

Where are battery testing services available?

Through our expanding network of laboratories throughout North America, Germany, China, Korea and Singapore, our battery testing services are ready to serve the needs of clients. This global testing network provides the full range of testing services and validation planning.

What is battery environmental testing & lifecycle testing?

Battery Environmental Testing/ Battery Durability Testing - Demonstrate the quality and reliability of your battery. Our tests include shock and vibration, EMC, thermal cycling, corrosion, dust, salt and humidity tests.
Battery Lifecycle Testing - Verify how long a battery lasts and demonstrate the quality of the product to customers.

What is battery testing?

Battery testing ensures the safety, quality and reliability of batteries across a range of industries. Discover how we help manufacturers obtain battery compliance to enter global markets.

What is battery life cycle testing & performance testing?

Battery Lifecycle Testing - Verify how long a battery lasts and demonstrate the quality of the product to customers. Our tests include cycle life testing, battery environmental cycle testing and battery calendar life testing.
Battery Performance Testing - Demonstrate the efficiency of batteries.

What are the different types of battery testing?

Our battery tests include lifecycle testing, battery environmental cycle testing and battery calendar life testing. Our experts can customise the testing programmes according to your individual and specific customer requirements. We support you in demonstrating the quality and reliability of your battery.

Whether you're manufacturing light electric vehicles, shipping lithium batteries, or designing consumer products with button batteries, adhering to standards like ANSI/CAN/UL 2271, UN 38.3, IEC 62133, and UL 4200A is essential to creating safe, compliant products.

MPS provides regulatory approvals as part of our battery development process, but also offers regulatory qualification for third party cells and batteries. UN 38.3 Approval is required for ...

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That doesn't mean their products aren't safe. It just means they haven't gone through third-party certification testing to qualify for the UL label on it. It's the same thing with the truck. For lithium-battery trucks, the vehicle must have both the UL label for the vehicle and the UL label for the lithium battery. If there is a lithium ...

Pony Testing Group provides comprehensive testing, measurement calibration, inspection, evaluation, audit factory and other professional one-stop technical solutions. The service network consists of nearly 30 large experimental bases ...

Date and place of production and testing; Information about the third-party testing company that performed the test; Consumer Product Safety Improvement Act (CPSIA) The CPSIA contains substance restrictions, labeling, documentation, and testing products for children's products, including products that are powered by lithium batteries.

On September 17, 2022, the document (2022) No. 31 specifies that lithium-ion batteries, battery packs, and mobile power supplies used in electronic and electrical products are included in the mandatory product certification catalog. The designated certification agency will begin accepting CCC certification commissions for newly included products.

Our independent, third-party battery performance testing includes: With a history of cell and battery testing spanning multiple decades, Energy Assurance offers focused expertise in the application of certification and performance testing environments to verify the ...

UL Solutions offers services to test and certify EV battery cells, modules and packs for compliance with standards and requirements established across many regions, including North America, Europe and Asia. We recognize that ...

By entrusting safety testing to third-party laboratories, manufacturers, regulatory bodies, and consumers gain confidence in the reliability and safety of lithium-ion batteries. The testing process not only identifies potential risks but also ...

Gain customer confidence - by leveraging on TÜV SÜD's reputation as the preferred third-party testing partner. Save time and money - with reliable tests that reduce warranty claims, time to market and R&D activities.

TÜV SÜD is your trusted and neutral third-party technical service provider for battery testing. Our holistic approach and commitment to safety will ensure the reliability of your battery. Our ...

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Our independent, third-party testing services encompass: Furthermore, Intertek performs failure analysis and battery safety investigations to determine the root causes of battery-related incidents, as well as identifying measures that can ...

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