



BATTERY TESTING



A TyRex Technology Family Company

Battery Life Testing

The entire world seems to be going portable, and virtually every product review mentions battery life. Why not get ahead of the curve? Our accelerated battery testing identifies possible weaknesses in the battery cell / pack, and allows you to bring your battery technologies to market quickly and cost-effectively and have confidence in knowing exactly how your power source will perform.

- Our testing programs determine whether a cell or battery is fit for purpose for which it was intended before it is approved for use in the product.
- Our knowledgeable staff will work directly with you to determine the best testing approach for your battery products.
- Battery manufacturers are aware of performance loss over time, but there is a disconnect when educating users about the fading effect. We can provide a measurement of the true life of your battery - while a dropped phone call due to a weak battery may only inconvenience the user, an unexpected power loss on a medical, military or emergency device can be more devastating.
- Battery capacity life decays gradually over usage - and then suddenly drops, dramatically, near 70-80 percent of full specified capacity. That level is also used to define the warranty threshold. And the amount of capacity loss is most affected by the depth of discharge, the temperature and the charging method.

Austin Reliability Labs (ARL)

Your accredited product reliability lab and partner

Backed by an expert staff and test methods accredited to the ISO/IEC 17025 standards, ARL provides the reliability tests your products need and develops test strategies at the right price. We have 22 temperature and humidity test chambers - ready for any type of environmental testing needs.

Our test chambers are available for steady-state stability testing, basic temperature cycling or accelerated stress testing in a variety of sizes to accommodate your products. All chambers feature NIST traceable calibrations and our thermal experts are ready to assist in thermocoupling and real-time temperature monitoring of your products. Our team can also help evaluate your qualification and reliability test plan to make sure the tests you're running are the best for your unique product and its uses. Please contact your ARL representative for more information today!

YOUR SUCCESS IS OUR SUCCESS



Your Product Reliability Partner



ABOUT US ...

Our lab is a place where we recognize the hard work and passion that went into the design and development of your product. We have that same passion for excellence, and want to find any problems that your product may have in an effort to perfect it. At **Austin Reliability Labs**, we understand that a reputation is something that builds over time, and we support that by making long-term partnerships with our clients. **With that in mind, we not only write and develop all of the tests that we perform, but, unlike other labs, we also provide pass / fail reports on all of our tests and decipher the results for you in order to maximize your product's success.**

Our full array of testing services include the following:

HALT / HASS

BATTERY LIFE TESTS

QUALIFICATION TESTS

ENVIRONMENTAL TESTS

MECHANICAL TESTS

ADDITIVE MFG. TESTS

CUSTOM TESTS

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