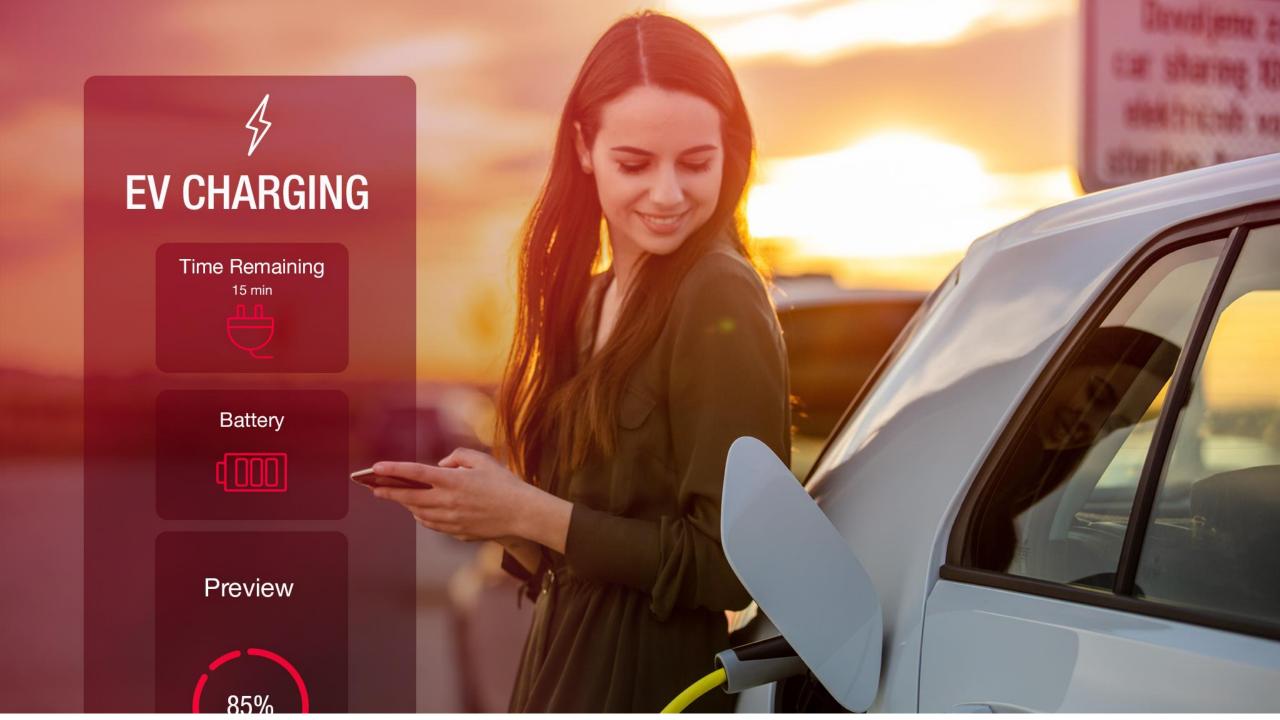


"For over half a century, Keysight Laboratories has consistently delivered breakthrough technology to deliver best-in-class design, test, and emulation solutions for complex electronic systems.

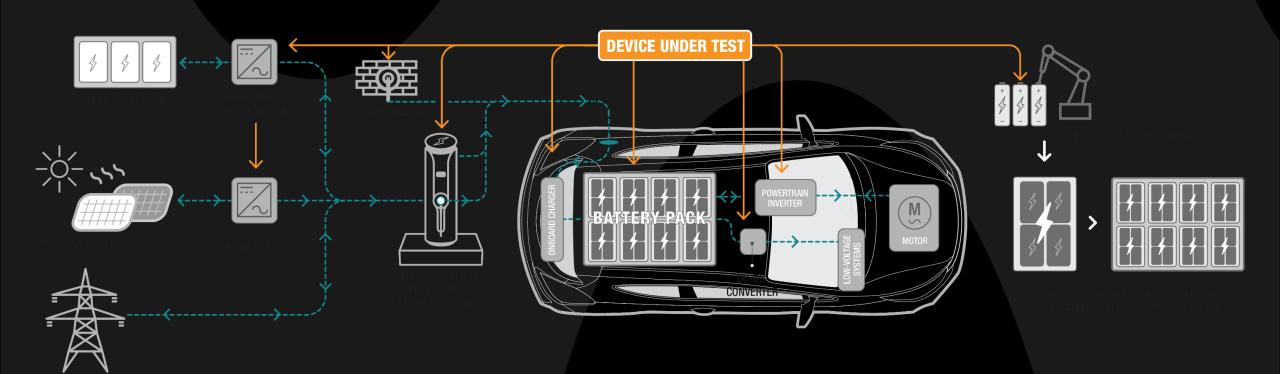
Our scientists and engineers around the world are dedicated to solving our customers' challenges in diverse areas, such as next-generation communication systems, quantum computing, and autonomous vehicles with electric drivetrains to meet their end-market and regulatory needs."

VP, Keysight Labs
Keysight Technologies



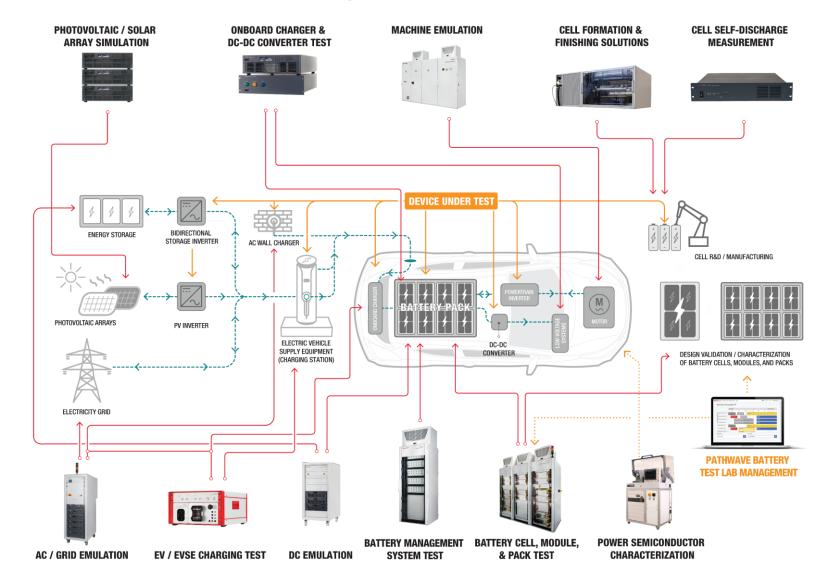
Enabling The E-Mobility Ecosystem

 Meet industry standards amidst a complex, evolving landscape of new technologies

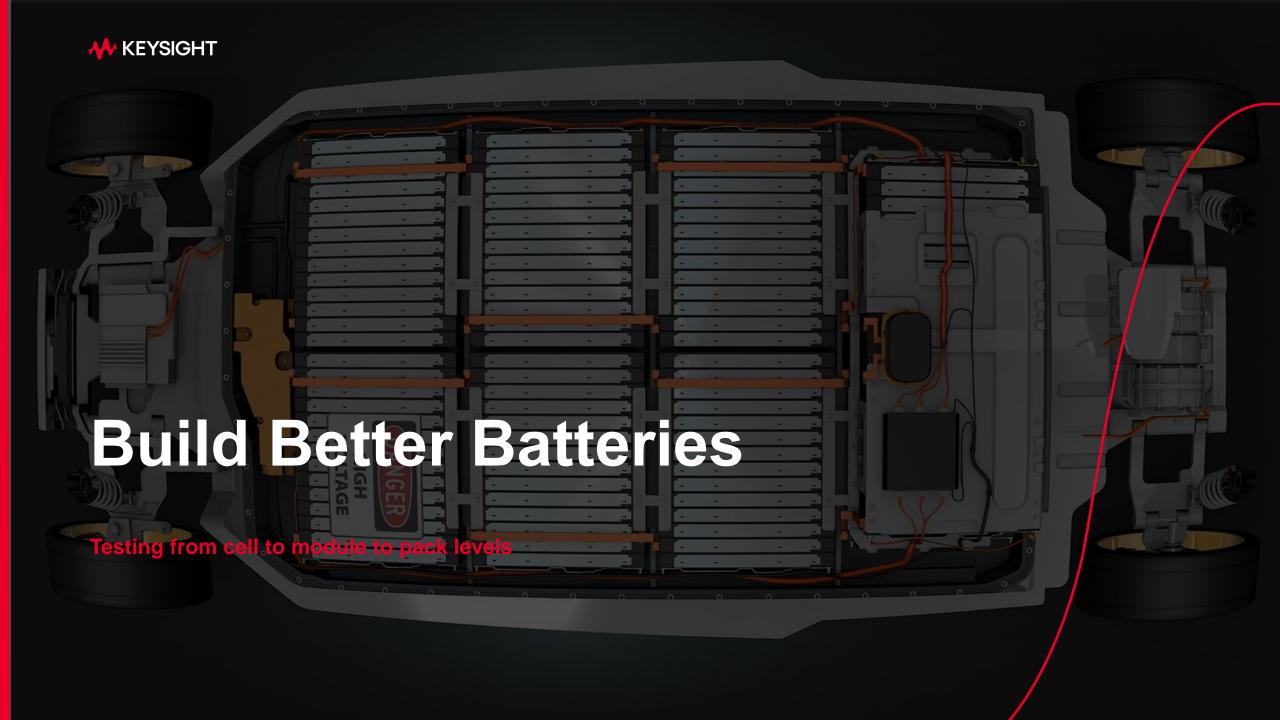


The E-Mobility Ecosystem

Harness maximum performance with better design and test









SL1007A Scienlab Battery Cell Tester

Test your cells in an efficient and costeffective manner, even when running multiple channels.

EV Battery Design & Test

Thoroughly test at the cell, module, and pack levels, to build high-density and longer-lasting batteries



SL1001A Scienlab Battery Module Tester

Developing and analyze your EV battery modules in a realistic environment to ensure performance.



SL1740A Scienlab Battery Pack Tester

Emulate the EV's operating environment to test high-power battery packs comprehensively.

Improve Your Battery Lab Operations

Manage your test orders and resources while gaining valuable test insights across thousands of test channels with PathWave Lab Operations for Battery Test.



Characterize Li-Ion Cells in Minutes

Measure Li-ion cell self-discharge currents in minutes or hours, vs days and months; and reduce your test costs while ensuring quality and performance of your battery cells.



Keysight's BT2152B Self-Discharge Analyzer





Test Your EV vs Various EVSE Models

With a high-power DC emulator (left), you can emulate DC charging infrastructure of up to 600 A to test your EV.

EV & EVSE Charging Test

Use a single platform for your conformance tests to meet CCS, CHAdeMO, and GB/T standards with the Keysight Scienlab SL1047A (High-Power) or SL1040A Charging Discovery System (CDS).



Test Your EVSE vs Various EV Models

The high-power CDS (center) can emulate any EV. This allows functional, safety, interoperability, conformance, and durability testing for your EVSE.



"Person-in-the-Middle" Testing

The CDS connects a real EV to an EVSE, capturing electrical signals and digital communications between them to identify and trace potential interoperability issues.



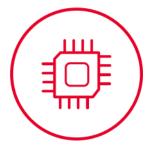
Better EV & EVSE Test Insights

Accelerate your charging interface testing operations with the Keysight Scienlab Charging Discover Test software.



Test Solutions for the Broader E-Mobility Ecosystem

Harness performance, from chip-to-grid



Validate wide bandgap power devices



characterizes SiC and GaN chips in high-power applications.



Lower test costs with regenerative power

Source / sink emulators

recycles over 90% of the power to the grid, saving cooling and utility costs.



Ensure electrical integrity of all ECUs

Automated in-circuit
tester ensures electrical
integrity of PBCAs in
mission-critical ECUs.



Harness the power of big data

Enterprise-level <u>Pathwave</u>
<u>Lab Ops</u> software provides
test insights to improve quality
and productivity.

