

ELECTRIC & HYBRID VEHICLE BATTERY TESTING

BRINGING AUTOMOTIVE BATTERY TECHNOLOGIES TO MARKET

The rapidly emerging Electric Vehicle, Hybrid Electric Vehicle and Plug-in Hybrid Electric Vehicle markets are poised for continued growth and change. We offer lab capacity on a global scale to certify your charging stations and electrical components for worldwide distribution.



Capabilities:

- EV Battery Pack, Module & Cell Level Life Cycle Testing up to 900V, 1200A
- EV Component Validation Testing – Simulated Environment, Durability & Fire Testing
- Type Approval E1 Mark, UNECE-R10 (components) and R-100 (battery)
- EV Charge Station Certification and Global Homologation
- Energy Storage (Battery, Fuel Cell, Super Cap) Application Modelling, Design & Failure Analysis Services
- Key Locations: Plymouth (Michigan), Phoenix (Arizona), Kaufbeuren (Germany), Kista (Sweden), Shanghai (China)

Accomplishments:

- OEM & Tier supplier design & production validation testing of full EV pack battery system
- OEM portable and commercial stationary EV charger system certification for North American, European and global markets
- OEM & Tier supplier design / production, EMC validation testing of EV component assemblies
- Tier supplier type approval of EV component assembly
- Tier supplier cell and battery life cycle durability investigations
- Tier supplier fuel cell systems simulated design assessment
- Accredited automotive electric vehicle, electric vehicle charging and battery test methods
- Accredited electric vehicle charging system and battery certification

Intertek Advantage:

- 100+ individual tests conducted each month, globally
- 100+ EV pack and/or module charge/discharge channels
- 500+ battery cell charge/discharge channels
- Simulated life cycle durability/endurance testing - pack, module, cell level
- Global EV supplier and OEM battery pack test method expertise
- Standard testing services: 24 hour inquiry time, 5 day average queue time
- Zero queue time services available upon request

FOR MORE INFORMATION

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