Automotive Fleet Top News

May 18, 2010

SAKOR Introduces Hybrid Vehicle Battery Test

The system can perform all types of performance and durability cycling, including complex profiles and road load simulations, the company said.

At the heart of the system lies a high-efficiency, line-regenerative DC power source. During discharge modes, absorbed power is regenerated back to the AC mains instead of being dissipated as wasted heat. This method generates greater power efficiency and measurably reduces overall operating costs, SAKOR said.

Driven by a DynoLAB EM controller, the Hybrid Vehicle Battery Test System inherits DynoLAB's ability to automate all types of performance, durability and continuous cycling operations, including full road load simulation. In fact, the system can function both as a battery tester and as a battery simulator, SAKOR said.

Integration with the company's Hybrid Driveline Dynamometer creates a system capable of testing complete hybrid drivelines and subsystems with or without actual batteries in circuit. The system may be configured to provide dynamic response (i.e. voltage sags and current surges) just as would be seen in-vehicle. Unlike the performance of an actual battery, the simulator output remains repeatable from cycle to cycle, regardless of charge status, resulting in more consistent and accurate test data.

The Hybrid Battery Test System is available with voltages of up to 1,000 VDC. Typical systems range in size from +/- 200 Amps to +/- 2,400 Amps (continuous), and most units offer overload (surge) currents of up to 200 percent of the rated current.

SAKOR Technologies Inc. is a leader in the manufacture and development of automated test instrumentation systems for a wide range of applications. For more information, visit www.sakor.com.

[Request more info about this product/service/company]

Tags: battery testing, hybrid vehicles, SAKOR Technologies