KATS-FCD Series Fuel Cell DCDC Test System

. Routine Testing: Start-up test, efficiency test, durability test etc.

. Protection Testing: Input/output over/under-voltage test, overcurrent test etc.

. Control Performance Testing: Input/output voltage/current precision test, ripple test etc.

Summary

Fuel Cell DCDC Test System is composed of EVS-F Series Fuel Cell Simulator, EVS Series Battery Simulator, control cabinet, and other supporting instruments. With control software independently developed by Kewell, the system can test the performance and functionality of fuel cell DCDC converter on control precision, efficiency, and response time. The system can be applied in the R&D process and quality inspection of fuel cell DCDC converters, including those of high-power levels.

Functions

- Routine Testing: Start-up test, efficiency test, durability test etc.
- Protection Testing: Input/output over/under-voltage test, overcurrent test etc.
- Control Performance Testing: Input/output voltage/current precision test, ripple test etc.
- Work condition simulation
- Polarization curve simulation

Advantages

- Versatile test items: Routine testing, precision testing, protection testing, dynamic simulation etc.
- Reliable test results: High precision power supply with electronic load, plus high precision test instruments and meters
- Customizable test procedures: Automatic reading, judgement, and storage of test data
- Support DBC file import & communication with DCDC converter
- Satisfy the testing needs of DCDC converters of different types and power levels
- Simulate the polarization curve of fuel cell by setting relevant parameters
- High quality energy recovery to the grid