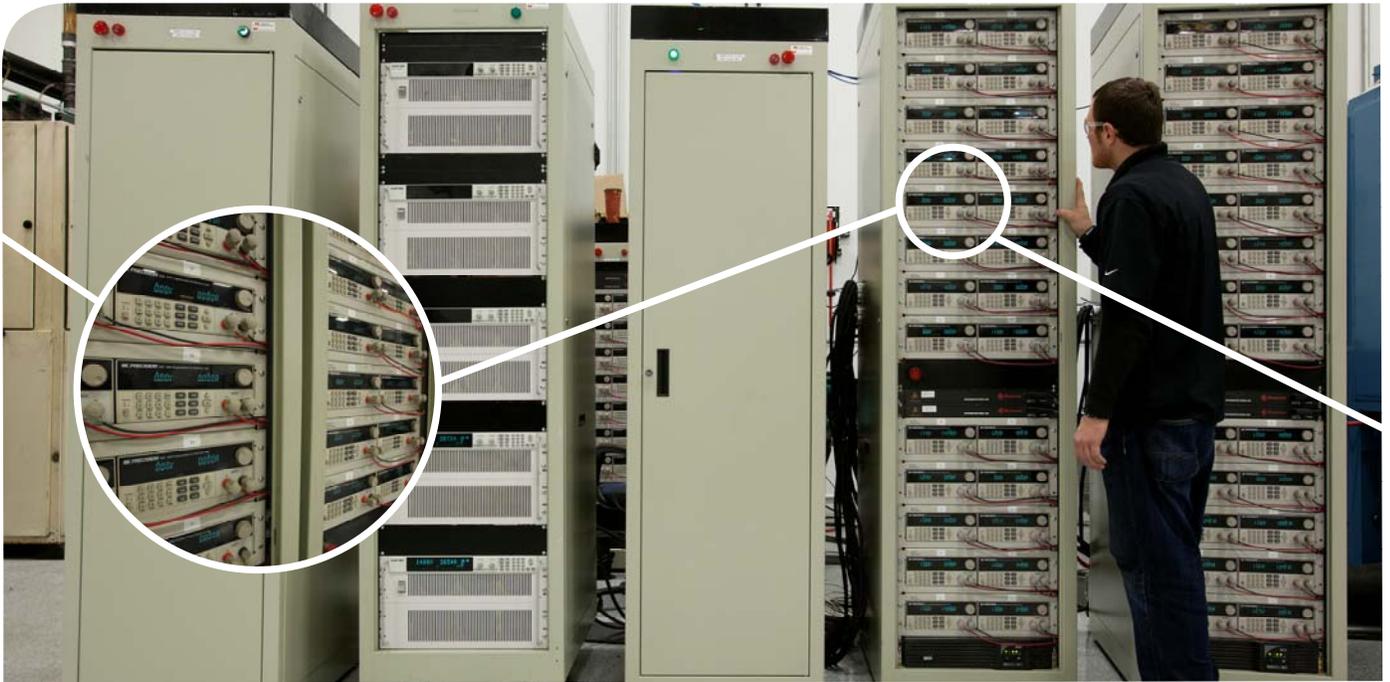


Electric Load Bank Testing

Capabilities & Equipment Overview



Valued Quality. Delivered.



Intertek's new Electric Load Bank Testing capabilities provide a controlled approach to simulating testing procedures, allowing manufacturers to verify and analyze their data in a variety of new ways.

In light of the market's increasing emphasis on both quality and cost reduction, manufacturers across a broad range of industries are urged to consider converting to innovative Electric Load Bank Testing methods available exclusively through Intertek.

Testing electrical or electronic components is a means to assess the functionality and durability of an entire part, verifying that the component will work under its specified loading conditions for the entirety of its rated life. Having realized flaws within past and present verification methods, Intertek engineers have determined a new standard of excellence in the field of performance testing.

Electric Load Bank Testing offers additional capacity and consistency for more accurate test results – results that will meet OEMs' demands for precise, efficient testing procedures that deliver innovation, quality, and cost reduction. Intertek's exclusive Electric Load Bank Testing capabilities can enhance a manufacturer's quality processes and long term success.

Learn more about Electric Load Bank Testing at www.intertek.com/automotive/electrical/parametric-testing

Who can benefit from Electric Load Bank Testing?

Industries that can benefit from this innovative new testing procedure include:

- Aerospace
- Automotive
- All Terrain Vehicle
- Farm/Lawn Equipment
- Marine Vehicle
- Medical Device
- Military Vehicle
- Solar Power Application



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Features, Functions & Benefits of Electric Load Bank Testing

Enhanced Capacity

- Over 600 channels at 300 watts per channel
- Run tests in parallel for quicker turnaround
- Unrestricted testing locations

Enhanced Safety

- Visual warning displays when the channel registers above or below set tolerance levels
- If not resolved, the software activates an audible buzzer, and informs the engineer via e-mail, text message, etc.
- If unaddressed, the system will shut down as a safeguard against potential harm to the samples

Relay Tower Safeguards

- A relay tower is placed between the sample and the load to provide faster control and act as a failsafe
- Permits engineers to debug samples before they go out to the testing floor

Communicability

- Safety mechanisms are portable and can be interfaced to any test area
- Testing is automatically stopped in the event of an error or malfunction.

Data Richness

- Thanks to the load bank system's additional capacity and consistent and repeatable methods, results are much more accurate than previous methods and the system is able to collect more data, allowing you to verify and analyze your test results in a variety of new ways.

Quick Set-up

- Set-up time has been noticeably reduced from 6+ weeks to less than 1 week
- Support your time-to-market requirements

Portability

- The portable Load Bank rack can be wheeled to different test areas
- The rack contains up to 48 individual loads
- Enables flexibility and productivity

Transferability

- All channels are wired in exactly the same way, providing an efficient troubleshooting process
- Management, support, and monitoring of the system are easily transferable to others and no longer tied to any one technician

Electric Load Bank Testing Equipment

- 9 48-channel load banks
- 8 32-channel load banks
- 4 relay towers (controlling up to 512 channels each)
- Multiple DC power supplies providing up to 4000 amps of DC current
- 4 computers using LabVIEW-developed software for controls
- 2 dedicated chambers, one with a 2000-pound force shaker

Current Standards Tested by Intertek

- GMW3172
- CS0011 - Sections 4.4.1 and 4.4.2
- CS0012 - Section 7
- CS0013 - Section 7.2 thru 7.4 and 7.7
- CS0015 - Section 3.1.1
- CS0020 - Section 7
- CS0021 - Section 7
- CS0052 - Section 7
- CS0053 - Section 7
- CS0054 - Section 7
- CS0055 - Section 7
- CS0056 - Section 7
- CS0071 - Section 7
- CS0073 - Section 7

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To find an office or laboratory in a particular country, please visit www.intertek.com/contact.