



In this month's update:

July 2013

- NOTIFICATION AND APOLOGY REGARDING TEST NAVI WEBSITE FAKING

We have confirmed that an unauthorized third party recently accessed and faked part of the "Test Navi" website, which is run by ESPEC.

There is a possibility that all users who visited this website during the corresponding time period have been infected with a computer virus.

We request that you immediately use the latest antivirus software to scan your computer for viruses. We deeply apologize for any problems that this matter has caused you. In the future, we will ensure that information management is carried out thoroughly.

Period during which the website was faked

Approximately 17:00 June 4, 2013 (Tuesday) to approximately 12:00 June 5, 2013 (Wednesday). All times are Japan Standard Time.

At the moment, there have been no cases of infiltration into other servers or leakage of information such as private information that are attributable to this problem.

- TEST NAVI REPORTS

Release of the report for

- **Lithium-Ion Secondary Battery Accelerated Testing** [Click Here](#)

A service life of at least 10 years is being targeted for the secondary batteries used in electric vehicles and plug-in hybrid vehicles—a class of vehicles expected to become widespread in the years ahead. There is also demand for longer service life in non-portable storage batteries, placing ever greater expectations on accelerated testing of secondary batteries. This paper describes the current state of lithium-ion secondary battery accelerated testing and its problems, using comparisons to accelerated testing of semiconductors, electronic components and electronic devices, which have extensive track records of accelerated testing.

- **Evaluation of Performance Characteristics of PV Modules using Solar Simulator and Environmental Testing** [Click Here](#)

Given the current global interest in renewable energy due to concerns regarding nuclear power accidents and the acceleration of global warming due to the generation of greenhouse gases by conventional power plants, there is a need for power plants that are capable of improving the economy. Evaluation of Performance Characteristics of PV Modules using Solar Simulator and Environmental Testing based on unified international measurement criteria is reported.



- CASE STUDY

[Click Here](#)

Lithium-Ion Battery Temperature Cycle (Thermal Shock) Testing and its Effects

Lithium-Ion Battery Impedance Characteristic (Temperature Impact)

- NETWORK SOLUTION

[Click Here](#)

What are ESPEC network products used for? What solution for which customer?
You can find the best solution for you from our network applications.

<New!> **Web Integrated Network**

- EVENT/SEMINAR

[Click Here](#)

ESPEC's worldwide exhibition schedule for 2013

<New!> **InterBattery 2013**

October 16 - 19 Coex, Seoul, Korea

<http://www.interbattery.or.kr/eng/>

- NEW SERVICE – PRODUCT REGISTRATION

Register your products to gain benefits such as software upgrade of our network features, etc. [Click Here](#)

- TEST METHOD DOWNLOAD

Environmental test standard program pattern can be downloaded from Test Navi easily.

ISO 16750 for Road vehicles, IEC for PV, IEC for Environmental testing, etc. **Play video to see how to download.** [Click Here](#)

Test Navi by ESPEC CORP.

<http://www.test-navi.com/eng/index.html>

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