

ETL certification for energy storage equipment

What is ETL certification?

ETL certification is a safety certification provided by Intertek. It ensures the safety of products, as well as their performance and energy efficiency. Much like UL, ETL does not just certify products, but also offers 'Total Quality Assurance' to the industries it works with.

What is ETL certification to UL 9540?

ETL certification to UL 9540 follows the ETL certification of ESS iron flow battery modules to the UL 1973 standard in March, 2023 and initial UL certification to the UL 9540A standard in 2022. Recent use cases illustrate the advantages of ESS' safe and sustainable energy storage technology.

Does UL test large energy storage systems?

Research offerings include: UL can test your large energy storage systems (ESS) based on UL 9540 and provide ESS certification to help identify the safety and performance of your system.

Which energy storage systems are UL 9540 certified?

Wilsonville, Ore. - May 23, 2023 - ESS Tech Inc. ("ESS") (NYSE:GWH), a leading manufacturer of flexible, sustainable and responsible long-duration energy storage systems for commercial and utility-scale applications, today announced that its Energy Warehouse products have been certified to the UL 9540 standard by ETL.

Why do you need ETL accreditation?

Future proof your growth strategies and increase your market visibility with free, impartial verification which helps avoid claims of greenwashing. Products listed on the ETL are associated with industry best practices too, so build trust with procurers and confidence in your energy efficient technology with ETL accreditation today.

What is ESS certification?

This comprehensive certification enables customers to expedite permitting and approval processes for new energy storage projects which incorporate ESS systems and further demonstrates the company's commitment to deploying resilient and sustainable long-duration energy storage systems that are safe for workers, communities and the environment.

ETL Verified Certificates of Conformance for Cabling Products ... Intertek's testing and certification services for UL 9540 standards empower manufacturers to comply with the stringent requirements for energy storage systems (ESS). Understanding UL 9540. UL 9540 encompasses comprehensive safety standards for energy storage systems and equipment ...

Energy Storage System Buyer's Guide 2025; ... Alencon Systems successfully gained ETL certification for its newest SPOT - String Power Optimizer and Transmitter - family of products. The ETL Mark from Intertek is

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proof that the product has been tested by an independent laboratory and meets the requirements of the applicable product safety ...

ETL certification is a voluntary certification and guarantees that the product that owns it complies with all standards regarding safety and quality throughout the North American territory (Canada and USA). This certification ...

UL 9540 covers energy storage systems and equipment. In this guide, we explain what importers and brands must know about this standard, including its scope, maximum energy capacity requirements, and lab testing. ...

At SEAC's July 2023 general meeting, LaTanya Schwalb, principal engineer at UL Solutions, presented key changes introduced for the third edition of the UL 9540 Standard for Safety for Energy Storage Systems and ...

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The introduction of Intertek's ETL Certification program. Intertek is one of the world's largest Testing, Inspection and Certification companies, which have a network of laboratories across North and South America, Europe and ...

Safety testing and certification for energy storage systems (ESS) Large batteries present unique safety considerations, because they contain high levels of energy. Additionally, they may utilize hazardous materials and ...

UL Solutions' services cover the energy storage industry's entire value chain. We are a leader in safety testing and certification for battery technology. Our performance testing offerings include competitive ...

An example of action in this direction is the United Kingdom's (U.K.) expansion of the Energy Technology List (ETL) scheme. The Department for Energy Security and Net Zero, which provides details of energy-saving products for businesses and the public sector, created the ETL and update it monthly.

The awarding of ETL certification to Sinexcel means that Sinexcel's 50~250k series energy storage system has become one of the industry's first large-scale grid-connected inverters to ...

Intertek offers Electric Vehicle Supply Equipment (EVSE) Testing and Certification solutions validating electric vehicle charging systems and the safety of EV-related products ... ETL Listed Mark. ETL-EU Mark. ... Battery Testing & ...

Sandia National Laboratories Electrochemical Storage System Abuse Test Procedure Manual Requirements (SAND 99-0497) UN Transportation Testing for Lithium Batteries (UN/DOT 38.3), IEC 62228; USABC

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Electric Vehicle Battery ...

CSA Group provides battery & energy storage testing. We evaluate and certify to standards required to give battery and energy storage products access to North American and global markets. We test against UN 38.3, IEC 62133, and many ...

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A Look at ANSI/CAN/UL 9540: 2020. ANSI/CAN/UL 9540 is the safety standard for energy storage systems (ESS) and equipment. It addresses the safety of ESS intended to store energy from grid, renewable, or other ...

Battery Energy Storage Systems (BESS) for On- and Off-Electric Grid Applications - white paper. Energy Storage Systems: Product Listing & Certification to ANSI/CAN/UL 9540. Top-8 ...

Granted by TÜV Rheinland, UL 9540 Certificate is the first standard designed for security of energy storage system and equipment around the globe, having various tests with demanding requirements. It is regarded as a national ...

Intertek's ETL Certification program is designed to help you get products tested, certified, proof of product compliance and on to market faster than ever before. ... Energy & Commodities Energy & Commodities. Agriculture. Biofuels. Coal & ...

Intertek offers a complete UL 9540 certification solution, providing a one-stop-shop for evaluating and assisting manufacturers in testing. Download our UL 9540 Certification Fact Sheet now to gain valuable insights into the ...

UL 9540: Energy Storage Systems and Equipment. This is an overall certification for what UL calls "Energy Storage Systems" - ESS for short. A UL 9540 ESS has a UL 1973-certified battery pack (more details below) and a UL 1741-certified inverter (also more information below). It is designed to certify complete systems so you can be sure your ...

An ENERGY STAR certification guarantees a product meets certain standards for environmental safety. In order to receive the certification mark from ENERGY STAR, a manufacturer is required to sign an agreement with the EPA, and the products being certified must be examined by a third-party organization confirming certain performance and safety ...

In Canada, the Standard Council of Canada authorized CSA group to develop Canadian National Standard, such as CSA C22.2 the installation and maintenance of electrical equipment in Canada. Certificate Bodies are

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the ...

The product has passed UL9540 (energy storage system safety standard), UL1973 (battery safety standard) and IEC62619 (international standard for industrial energy storage batteries) ...

The EMF Directive. The International Commission on Non-Ionizing Radiation Protection (ICNIRP) has defined the limits which a human body can be exposed to before serious health issues become irreversible or problematic to the wellbeing of workers exposed to such fields.

ETL certification to UL 9540 is currently underway for the Energy Center, further demonstrating the company's commitment to deliver robust energy storage products to strengthen the grid, enable the deployment of renewable ...

Shanghai - Intertek, a leading Total Quality Assurance provider to industries worldwide, recently awarded IEC 62619 CB and IEC 63056 CB Certificates, ETL Certificate (UL 1973) and UL 9540A Testing Report to GE's ...

With all of the food safety laws in place these days, food equipment manufacturers would be foolish to design a great piece of equipment without first putting it through a certification process. While it's sometimes a pricey and time ...

Partner with Intertek for Power Generation Certification & Safety Testing and improve product safety, reliability, and time to market while minimizing business risk ... Contact us to learn more about certification with Intertek's ETL mark to ANSI, UL, CSA, and NFPA standards, including: ANSI/UL 2200; ... Energy Storage; UL 1741: Inverters ...

Enhanced Reliability: ETL-certified chargers undergo extensive testing, ensuring consistent performance under various conditions. By selecting ETL-certified chargers, you prioritize safety, reliability, and compliance. This ...

Before purchasing a product with the ENERGY STAR label, business owners can review its energy usage estimates to make an informed decision. Oftentimes, using ENERGY STAR-certified equipment can qualify ...

core technologies, incorporated into the Energy Center. ETL certification to UL 9540 is currently underway for the Energy Center, further demonstrating the company's commitment to deliver robust energy storage products to strengthen the grid, enable the deployment of renewable energy and meet the needs of global utilities and energy generators.

Web: <https://www.eastcoastpower.co.za>

