

Lithium battery energy storage product safety certification



Overview

Quick Answer: BESS certifications are mandatory safety approvals for Battery Energy Storage Systems. You need UL 9540 for the USA, CE Marking for Europe, IEC 62619 globally, and BIS IS 17855 for India. BESS . We perform the evaluation, testing and certification, and standards solutions your battery and energy storage products require, leveraging our IECCE CB Scheme accreditation (which allows you to access up to 70 countries) and CSA Group's international certification team to get you to new markets . To ensure safety, regulatory bodies worldwide have established strict certification requirements for energy storage batteries. So, what certifications are necessary for energy storage batteries, and what do they mean?

This article provides a clear and structured overview of key certifications . As a Cellular Telecommunications and Internet Association (CTIA) Authorized Test Laboratory (CATL), we can test and certify mobile phone rechargeable battery products and systems to the CTIA Battery Certification Program. The CTIA Battery Certification Program evaluates the conformance of . Understanding lithium battery certifications is essential for anyone involved in manufacturing or selling these products. The global battery testing .

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[A Complete Guide to Lithium Battery Certifications: Mandatory vs](#)

Understand lithium battery certifications, their mandatory vs optional types, and their role in safety, compliance, and marketability for global trade.

Battery & Energy Storage Testing , CSA Group

As the need for advanced energy storage systems grows, let CSA Group be your partner in navigating the codes, standards, and regulations in place. Let the credibility of our mark support your lithium



BESS Certifications: The Complete 2026 Guide (UL, IEC, CE, BIS)

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Energy Storage Testing and Certification

Intertek provides comprehensive energy storage testing and certification services to help you achieve compliance, enhance product safety, and gain market acceptance. Intertek offers a full suite of



[Guide to Energy Storage Battery Certifications: Essential Compliance](#)



Battery Safety Testing and Certification , UL

Keep up with the fast pace of lithium (Li) ion battery safety testing through UL's compliance, research, and risk management solutions.

Discover the ultimate Guide to Energy Storage Battery Certifications, covering essential safety standards, global compliance requirements, and the key certifications needed for energy



[Ensuring Lithium Battery Safety with NRTL & UL Standards , NAZ](#)

Together, they form a comprehensive framework for evaluating and certifying the safety of lithium batteries and energy storage systems, crucial for fostering trust and adoption of these

[Lithium Battery Regulations and Standards in the US: An Overview](#)

Guide to UL standards, CPSIA, Amazon requirements, lab testing, and certification for lithium battery products to the US.



Certified Lithium Batteries: Ensure Safe Energy Storage

Learn how UL, CE, and IEC certifications support safety and bankability for commercial lithium batteries, plus key checks when choosing LiFePO4 storage systems.

Batteries , CPSC.gov

High-energy density batteries need enhanced

safety systems and additional care when using and handling, both in or when removed from the product; and batteries must be properly tested with the



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