

Safe operation and maintenance of energy storage batteries





Overview

What are the EASE Guidelines for battery energy storage systems?

On 27 May 2025, over 200 participants attended the webinar on the "EASE Guidelines on Safety Best Practices for Battery Energy Storage Systems". The Guidelines are designed to support the safe deployment of outdoor, utility-scale lithium-ion (Li-ion) BESS across Europe.

What are the guidelines for battery management systems in energy storage applications?

Guidelines under development include IEEE P2686 "Recommended Practice for Battery Management Systems in Energy Storage Applications" (set for balloting in 2022). This recommended practice includes information on the design, installation, and configuration of battery management systems (BMSs) in stationary applications.

Are large-scale lithium-ion battery energy storage facilities safe?

Abstract: As large-scale lithium-ion battery energy storage power facilities are built, the issues of safety operations become more complex. The existing difficulties revolve around effective battery health evaluation, cell-to-cell variation evaluation, circulation, and resonance suppression, and more.

What are the safety checklists for lithium-ion battery energy storage systems?

These safety checklists provides guidance how to best work on utility-scale lithium-ion Battery Energy Storage Systems, they outlines essential strategies to protect workers and guide safe deployment of BESS installations at site level.



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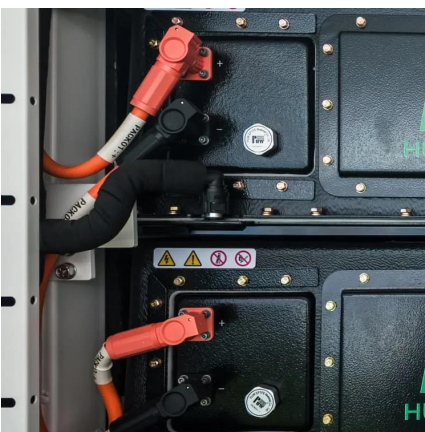


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[Energy Storage Europe Association Guidelines on Safety Best ...](#)

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