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Title: Lithium-ion energy storage system standards

Generated on: 2026-05-11 07:19:16

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In response to a growing number of high-profile fires at battery energy storage facilities across the United States, the Environmental Protection Agency (EPA) has issued new safety ...

UL 9540: Energy Storage Systems and Equipment. UL 1973: Batteries for Use in Stationary and Motive Auxiliary Power Applications. UL 1642: Lithium Batteries. UL 1741: Inverters, Converters, Controllers, ...

This document is meant to be used as a customizable template for federal government agencies seeking to procure lithium-ion battery energy storage systems (BESS).

Assists users involved in the design and management of new stationary lead-acid, valve-regulated lead-acid, nickel-cadmium, and lithium-ion battery installations. The focus is the environmental design and ...

This webpage includes information from first responder and industry guidance as well as background information on battery energy storage systems (challenges & fires), BESS installation ...

However, storing and managing energy--especially lithium-ion batteries (LIBs)--presents unique fire and life safety challenges. To mitigate risks, a range of codes and standards guide the design, ...

That said, the evolution in codes and standards regulating these systems, as well as evolving battery system designs and strategies for hazard mitigation and emergency response, are working to ...

In recent years, companies have adopted lithium-ion battery energy storage systems (BESS) which provide an essential source of backup transitional power. UL and governing bodies have evolved ...

Battery Energy Storage System Evaluation Method Report describes a proposed method for evaluating the performance of a deployed BESS or solar PV-plus-BESS system.



Lithium-ion energy storage system standards

This document offers a curated overview of the relevant codes and standards (C+S) governing the safe deployment of utility-scale battery energy storage systems in the United States.

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