

SolarTech Power Solutions

Energy storage battery standard matching



Overview

IFC Section 1207 addresses energy storage and the following highlights critical sections and elements: IFC 1207.1.3 features a table defining when battery systems must comply with this code section. It categorizes all lithium-ion technologies under “lithium-ion batteries.”.

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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.

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 minimize the severity of these events and to limit their consequences.

1.1 The test methodology in this standard determines the capability of a battery technology to undergo thermal runaway and then evaluates the fire and explosion hazard characteristics of those battery energy storage systems that have demonstrated a capability to undergo thermal runaway.

The test methodology in this document evaluates the fire characteristics of a battery energy storage system that undergoes thermal runaway. The data generated will be used to determine the fire and explosion protection required for an installation of a battery energy storage system.

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