

# What are the compliance requirements for energy storage power supplies



## Overview

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NFPA 855 is the leading fire-safety standard for stationary energy-storage systems. It is increasingly being adopted in model fire codes and by authorities having jurisdiction (AHJs), making early compliance important for approvals, insurance, and market access. The 2025 Energy Code has battery energy storage system (BESS) requirements for newly constructed nonresidential buildings that require a solar photovoltaic (PV) system (2025 Nonresidential Solar PV Fact Sheet), with three exceptions (see below). BESS facilities currently comply with numerous federal and state regulations, but the adoption of our recommendations will further improve oversight of BESS resources in California. This document offers a curated overview of the relevant codes and standards (C+S) governing the safe deployment of utility-scale battery energy storage. Battery energy storage projects are essential for California to provide reliable energy supplies and meet its goal of a zero-carbon future by 2045. Safety remains a top priority as we adopt these advanced technologies.

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### U.S. Codes and Standards for Battery Energy Storage Systems

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.

### California Battery Energy Storage Safety Recommendations

CP-CA recommend that all active BESS facilities have updated HMAs. Facilities that pre-date NFPA 855 should review their HMAs to consider any missing hazards and update the HMAs, as necessary. The



### Energy Storage Systems (ESS) and Solar Safety

NFPA is keeping pace with the surge in energy storage and solar technology by undertaking initiatives including training, standards development, and research so that various stakeholders can safely

### 2025 Nonresidential Battery Energy Storage System (BESS)

The battery storage system is self-certified by the manufacturer to the CEC to meet the 2025 Energy Code Reference Joint Appendix JA12 qualifications - PDF to comply with applicable prescriptive and





### [CPUC Adopts New Rules Governing Safety of Battery Energy Storage](#)

It clarifies that the compliance requirements of GO 167 apply to all BESS in the state, with exemptions only determined by the size of the facility. For example, BESS that are 50 MWs and

### **Unpacking Energy Storage System Safety Requirements**

In North America, the safety standard for energy storage systems intended to store energy from grid, renewable, or other power sources and related power conversion equipment is



### **NFPA 855 Guide: Complying with Fire Code for Batteries**

Learn how to comply with NFPA 855 battery fire code requirements for energy storage systems. Key rules, spacing, UL 9540A testing, and documentation steps.

### [Safety Standards & Certifications for Battery Energy Storage Systems](#)

Learn about key safety standards for Battery Energy Storage Systems (BESS) and how innovations like immersion cooling enhance safety and reliability.



### **San Jose Energy Storage System Standards: Compliance & Best**

Let's break down what the standards really mean for your project: All systems must meet NFPA 855 spacing requirements - think of it as "social distancing" for battery racks. Recent fire safety tests

## **Your Guide to Battery Energy Storage Regulatory Compliance**

As the battery energy storage market evolves, understanding the regulatory landscape is critical for manufacturers and stakeholders. This guide offers insights into compliance strategies, safety



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