

# Fire protection requirements for electrical compartment of energy storage system



## Overview

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Core requirements include rack separation limits, a Hazard Mitigation Analysis to prevent thermal-runaway cascades, early-acting fire suppression and gas detection, stored-energy caps for occupied buildings, and detailed safety documentation (UL).

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### NASA , LANCE , FIRMS US/Canada

Fire data is available for download or can be viewed through a map interface. Users can subscribe to email alerts bases on their area of interest.



### Watch Duty

Real-time information about wildfire and firefighting efforts nearby



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

In this report, fire hazards associated with lead acid batteries are identified both from a review of incidents involving them and from available fire test information.



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### [Suspect in custody amid Kimberly-Clark warehouse fire in Ontario](#)

A six-alarm fire ripped through a 1.2 million-square-foot Kimberly-Clark warehouse in Ontario, California, and authorities say an employee was arrested.



### [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

### AirNow Fire and Smoke Map

It provides a public resource of information to best prepare and manage wildfire season. Developed in a joint partnership between the EPA and USFS.



### Active Fire Incidents Map

This page provides live weather information of active fire incidents as an interactive map. It also



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### [Smoke seen over East Bay hills from vegetation](#)

provides predicted smoke fallout from each fire, as well as live air quality data.



### Incidents , CAL FIRE

Explore options for new building materials or affordable retrofitting options that enhance your home's defense against wildfires in California. Incident data is provided in raw, computer readable formats



### [Smoke from vegetation fire on island near Antioch to be visible for](#)

Smoke was expected to be visible for hours Sunday near Antioch due to a vegetation fire burning on an island near the Sacramento and San Joaquin rivers confluence, firefighters said.

[fire](#)

Smoke was visible in the East Bay hills Sunday afternoon from a vegetation fire on an island near Antioch, although fire officials said it posed no serious danger.



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**Understanding NFPA 855: Fire Protection for Energy**

The purpose of NFPA 855 is to establish clear and consistent fire safety guidelines for energy storage systems, which include both stationary and



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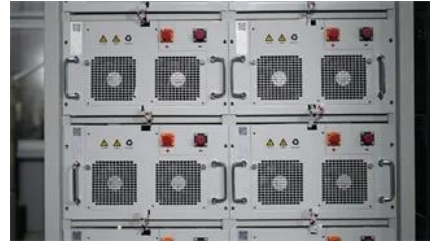


## Alerts

Firefighters prioritized exposure protection of a nearby apartment building and a third garage, holding fire spread to minor impingement on the eaves of the residential structure.

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