

Fire protection design requirements for energy storage projects



TAX FREE



Product Model

HJ-ESS-215A(100KW/215KWh)
HJ-ESS-115A(50KW 115KWh)

Dimensions

1600*1280*2200mm
1600*1200*2000mm

Rated Battery Capacity

215KWH/115KWH

Battery Cooling Method

Air Cooled/Liquid Cooled



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NFPA 855: Improving Energy Storage System Safety

While NFPA 855 is a standard and not a code, its provisions are enforced by NFPA 1, Fire Code, in which Chapter 52 outlines requirements, along with references to specific sections in NFPA 855.

Watch Duty

Watch Duty maps requires JavaScript to run this app.



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.

[Crews battle structure and vehicle fires near Nellis](#)

As discussed during the dispatch call, fire crews responded to a large active blaze involving structures and vehicles near the Nellis and Beatty area in Las Vegas. Multiple engine units



[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

Fire Danger Viewer

WFPI-based Fire Spread Probability - Day 1 WFPI-based Fire Spread Probability - Day 2 WFPI-based Fire Spread Probability - Day 3 WFPI-based Fire Spread Probability - Day 4 WFPI-based Fire



Fire Codes and NFPA 855 for Energy Storage Systems

Fire codes and standards inform energy storage system design and installation and serve as a backstop to protect homes, families, commercial

[Fire Near Me? Live Map & Alerts & 5-Day Forecast , WeatherBug](#)

Is there a fire near you right now? See the closest wildfire's distance, size and wind conditions on our live map. check the 5-day fire risk forecast for your current location.



[Energy Storage Systems and Fire Safety: What Building Owners](#)

The latest National Fire Protection Association (NFPA) standard for the Installation of Stationary ESS, NFPA 855, expands battery chemistry coverage, adds hazard mitigation analysis

[Building fire causes partial lane closures in northeast Las Vegas](#)

LAS VEGAS (KLAS) - A building fire caused partial

lane closures in the northeast Las Vegas valley on Thursday. The fire occurred before 9:30 p.m. near Pecos Road at Owens Avenue.



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.

[Northeast Las Vegas fire causes estimated \\$500k in damage](#)

A fire the size of a city block near Nellis Air Force Base Friday night caused an estimated \$500,000 in damage, according to fire officials.



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

Fire Live Map

View the latest fires from the last 48 hours on an interactive map, displaying the brightness and the event time. The information is provided by the NASA FIRMS - Active Fire Data.



DOE-STD1066-2023 Fire Protection



[Marioff HI-FOG Fire protection of Li-ion BESS Whitepaper](#)

The scope of this document covers the fire safety aspects of lithium-ion (Li-ion) batteries and Energy Storage Systems (ESS) in industrial and commercial applications with the primary focus on active fire



Nevada Fire Info

Real time updates for wildfires in Nevada and general fire prevention information.



Appendices A through G contain detailed criteria and guidance for specific conditions, including design criteria for fire protection systems used in safety significant (SS) and safety class (SC) applications.



[Expanded Safety Guidelines for Battery Energy Storage Systems](#)

As energy storage deployments continue to expand globally, the 2026 update to NFPA 855 reflects increasing emphasis on performance-based safety and hazards evaluation using large



[Energy Storage System Safety Whitepaper , IFC vs NFPA 855 , FPCG](#)

This whitepaper provides a technical overview of energy storage system safety, focusing on how the International Fire Code (IFC) and NFPA 855, Standard for the Installation of Stationary Energy

Live Fire Map: Track Wildfires Near You , Frontline

Keep an eye on wildfire activity with the Frontline live fire map. Download the wildfire tracker for customized wildfire alerts.



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