

NFPA 855

National Fire Protection Association

NFPA 855 governs stationary energy storage systems, the battery installations that sit in a dedicated room or an outdoor enclosure. It sets how far the units stand from what surrounds them, how the space is ventilated, and what detects and suppresses a thermal runaway. Commissioning and testing are done by the qualified party; on a walk the field role is to observe and document the arrangement before it is energized.

What it covers

- Siting and separation between units and from exposures
- Ventilation of the storage space or enclosure
- Thermal-runaway detection and suppression
- Hazard signage and system marking
- Working clearance around the units for service

What a field inspection looks at

- Separation distances photographed between units and to walls, measured and shown in frame.
- Ventilation openings and equipment documented serving the space, not assumed.
- Detection and suppression devices shown mounted for the room they protect.
- Hazard signage photographed posted at the room or enclosure, legible in frame.
- Commissioning-scope items observed and documented; the qualified party runs the testing.

Adoption varies by jurisdiction. Confirm the edition your authority having jurisdiction enforces before you run a walk against it.