

## Kongres Container

# Battery spacing of lithium battery cabinets at site



## Overview

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sted to UL 9540. According to UL 9540 the separation between batteries should e 3ft (91.4 cm). UL 9540 also provides that equipment evaluated to UL 9540A with a written report from a nationally recognized testing laboratory (NRTL), such as ETL, can be permitted to be installed with less than 3ft.

2024 International Fire Code (IFC) - 320.4.3.2 Storage area size limits and separation. Outdoor storage areas for lithium-ion or lithium metal batteries, including storage beneath weather protection in accordance with Section 414.6.1 of the International Building Code, shall not exceed 900 square.

A battery storage cabinet provides more than just organized space; it's a specialized containment system engineered to protect facilities and personnel from the risks of fire, explosion, or chemical leakage. Through the integration of advanced materials, fire-resistant designs, and regulatory.

When designing energy storage systems, have you ever wondered how NFPA installation spacing for Li-ion battery racks directly impacts both fire safety and operational efficiency?

Recent data from NFPA 855 shows improper spacing contributes to 37% of thermal runaway incidents in stationary storage.

tem has successfully completed a UL 9540A fire test. According to NFPA 855's ESS installation standards, when successfully completing a UL9540A test, three feet (92cm) spacing requirements between racks can be waived by the

Authorities Having Jurisdiction (AHJ). The Vertiv HPL is engineered to.

- Depending on the size of the battery and needs of the site, it is important to determine early on if the battery will be sited in the facility or outside of it. •
- This decision may be impacted by any noise and sightline requirements from your local jurisdiction. It is important that the battery.

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### Contact Us

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