

EQACC SOLAR

Dominican Chemical Energy Storage Fire Fighting System



Overview

How does a fixed firefighting system work?

A fixed firefighting system does not stop an already occurring thermal runaway sequence within a battery module, but it can prevent fire spread from module to module, or from pack to pack, or to adjacent combustibles within the space. The affected module is likely to be fully lost, but the adjacent modules can be saved.

What is the preferred firefighting agent in NFPA 855?

Water is the preferred or recommended firefighting agent in NFPA 855 , in the relevant FM Data Sheets, and in marine rules. For example, an extract of Annex C Fire-Fighting Considerations (Operations) in NFPA 855 states the following in C.5.1 Lithium-Ion (Li-ion) Batteries:.

Can water spray be used on high-voltage fire suppression systems?

Water spray has been deemed safe as an agent for use on high-voltage systems. Water mist fire suppression systems need to be designed specifically for use with the size and configuration of the specific ESS installation or enclosure being protected. Currently there is no generic design method recognized for water mist systems.

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Marioff HI-FOG Fire protection of Li-ion BESS Whitepaper

The most common fixed firefighting systems are water-based and gaseous systems, but aerosol systems are also

used in some applications. In Li-ion battery applications, the ...



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Energy Storage Firefighting Solution

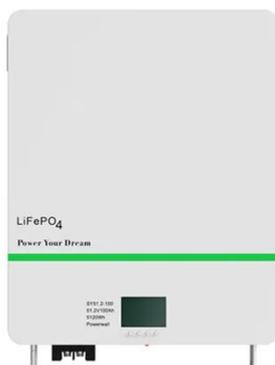
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