

# Energy storage battery compartment fire protection system design



- |   |                           |    |                           |
|---|---------------------------|----|---------------------------|
| 1 | PCS Module                | 6  | OPV2 side circuit breaker |
| 2 | Battery room              | 7  | High Volt Box             |
| 3 | Grid side circuit breaker | 8  | BAT side circuit breaker  |
| 4 | Load side circuit breaker | 9  | LCD display screen        |
| 5 | OPV1 side circuit breaker | 10 | MPPT                      |

## Overview

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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 protection.

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### **Essential on Containerized BESS Fire Safety System**

Thus, fire protection systems for energy storage containers must for rapid suppression, su prevention of re-ignition. The design of these systems primarily pects: fire protection system components, fi

[Energy storage battery compartment fire extinguishing system of](#)

The present invention relates to the technical field of electrochemical energy storage, and specifically relates to a fire protection system for an energy storage battery compartment



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