

# Australian Energy Storage Firefighting System

Are battery energy storage systems a fire protection strategy?

As the adoption of Battery Energy Storage Systems (BESS) rapidly increases and they become more prevalent in energy infrastructure, so too does the need for effective fire protection strategies.

Does AFAC recommend a fire safety strategy for a battery energy storage system?

(see full document attached below) This is AFAC guidance to industry stakeholders for the development of an overall strategy for fire safety at a Battery Energy Storage System (BESS) Power Grid Connected Installation. AFAC recommends the development of a fire safety strategy for the installation.

Are battery energy storage systems a fire risk?

Battery Energy Storage Systems (BESS) are critical for modern renewable energy infrastructure -- but they also present unique fire risks due to high energy density, thermal runaway, and cascading cell failures. DIS Fire delivers tailored suppression systems designed specifically for BESS facilities.

Can CFA prepare a fire safety study for large-scale battery energy storage systems?

CFA may request the preparation of a fire safety study for large-scale battery energy storage systems where the design, capacity, complexity, location or proposed operations necessitate an enhanced, detailed analysis of requirements for fire and explosion safety systems. Fighting fires at renewable energy facilities.

A practical guide to EV and BESS fire safety in Australia, covering risks, regulations and engineering strategies for safer energy systems.

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5 February 2025, Version 1.0 by the Alternative and Renewable Energy Technologies Technical Group, and the Built Environment Technical Group. This is AFAC guidance to industry stakeholders for the ...

Fire safety Acknowledgement of Country and First Nations People Energy Australia recognises that the proposed site for the Mt Piper Battery Energy Storage System is on the ...

Aaron Harris, National Fire Protection Services Lead at Omnia, explores the critical role of fire protection in BESS battery energy storage systems, and how to manage fire risk.

AS/NZS 5139-2019: Electrical installations - Safety of battery systems for use with power conversion equipment. IEC 62897: ED1 Energy Storage Systems with Lithium Batteries - Safety ...

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Battery Energy Storage System We are helping to strengthen Victoria's renewable energy future by developing Battery Energy Storage Systems (BESSs). Safety is our number one ...

1 PURPOSE The purpose of this guideline is to inform industry of key safety in design considerations that Fire Rescue Victoria (FRV) considers relevant in the design and installation of ...

Sino-Australia Energy Storage commissioned the Tianjin Fire Research Institute of the Ministry of Emergency Management to conduct a third-party on-site witnessing test of the system in ...

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