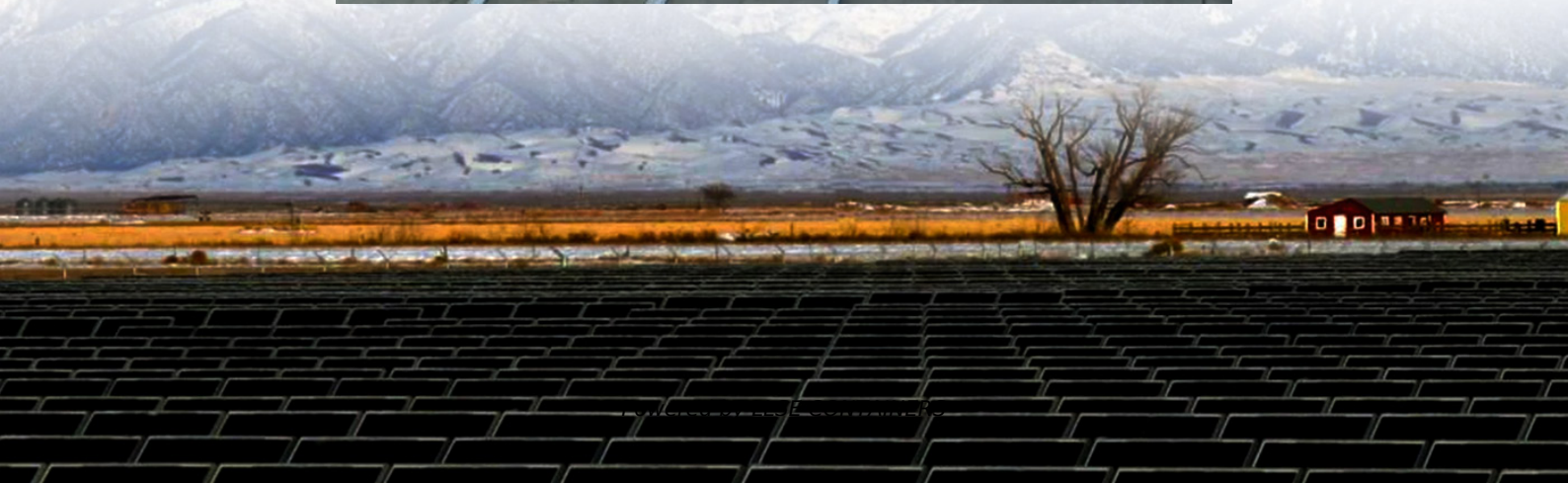
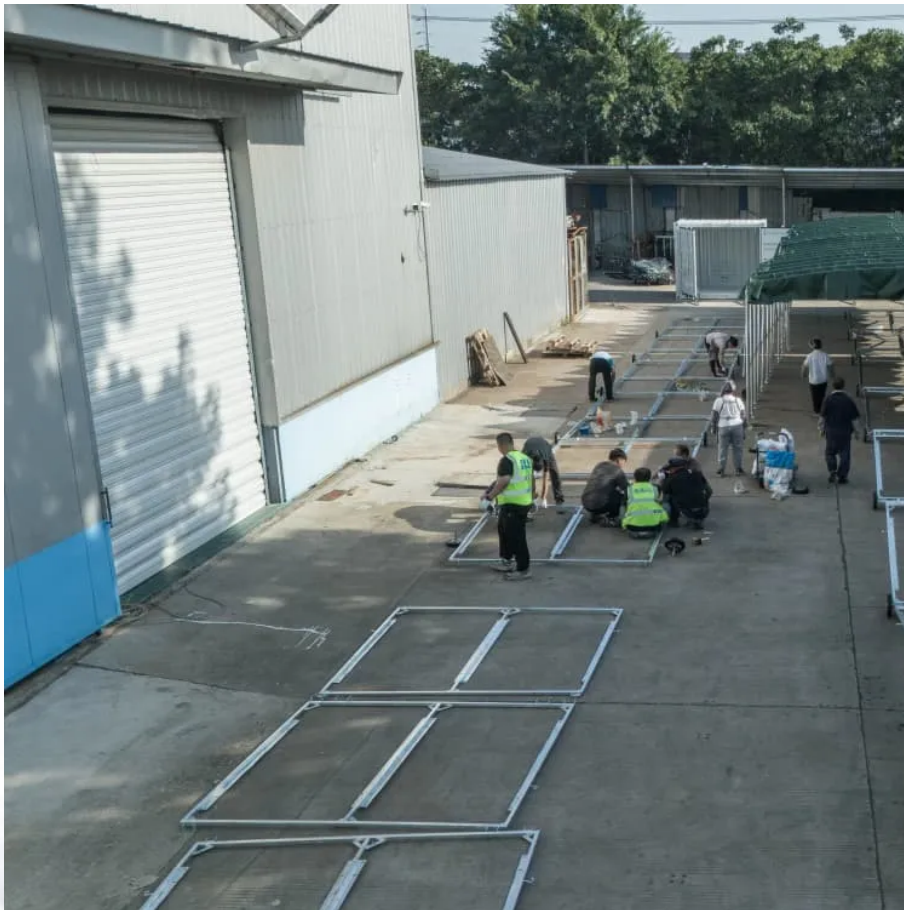


# **What medium is used for fire extinguishing in energy storage power stations**





## Overview

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The most widely used fire suppression gas in the energy storage system industry is Perfluorohexane (FK-5-1-12). Which fire extinguishing agents are used for battery fires?

Based on the understanding of fire extinguishing mechanism, new fire extinguishing agents have been developed for battery fires, such as hydrogel fire extinguishing agents and liquid nitrogen fire extinguishing agents.

How to protect battery energy storage stations from fire?

High-quality fire extinguishing agents and effective fire extinguishing strategies are the main means and necessary measures to suppress disasters in the design of battery energy storage stations. Traditional fire extinguishing methods include isolation, asphyxiation, cooling, and chemical suppression.

Are large-scale fire extinguishing experiments necessary?

Therefore, before the fire extinguishing agent is used in energy storage stations, large-scale fire extinguishing experiments are necessary to truly evaluate the effectiveness and authenticity of the fire extinguishing agents and methods.

What is water mist fire extinguishing method?

Water mist fire extinguishing method is suitable for small energy storage battery modules. Just in case, large energy storage stations generally do not use water mist to extinguish fires due to the high voltage environment of several thousand volts.



## What medium is used for fire extinguishing in energy storage power



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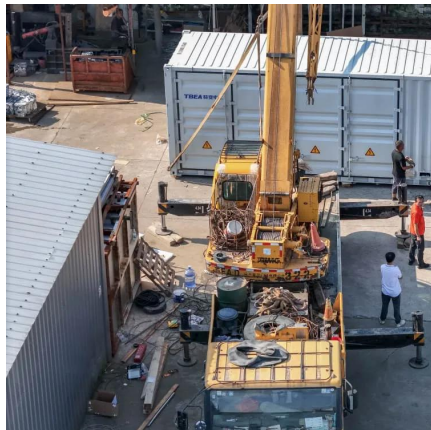
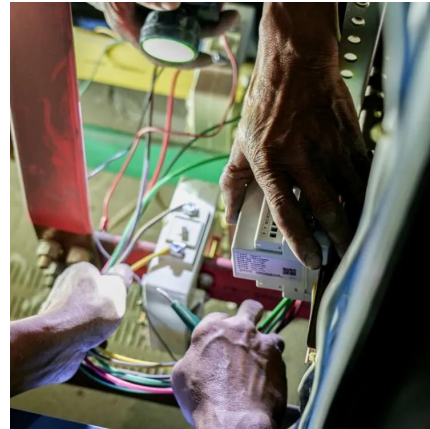
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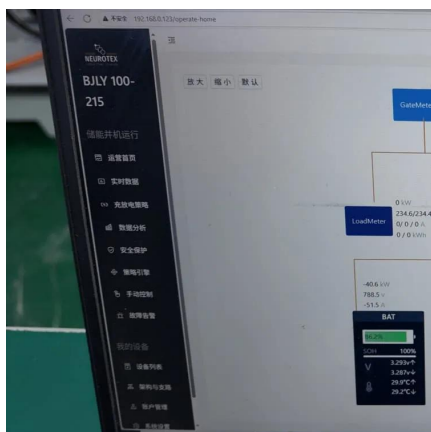


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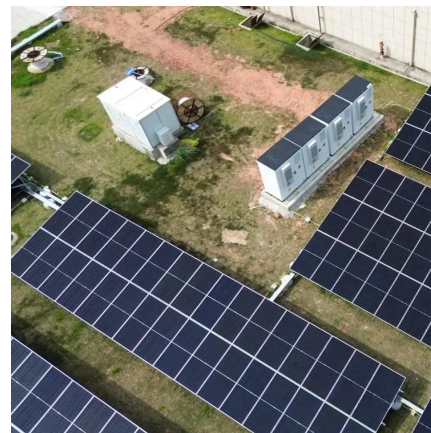


### **Advances and perspectives in fire safety of lithium-ion battery energy**

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In 2019, EPRI began the Battery Energy Storage Fire Prevention and Mitigation - Phase I research project, convened a group of experts, and conducted a series of energy storage site ...



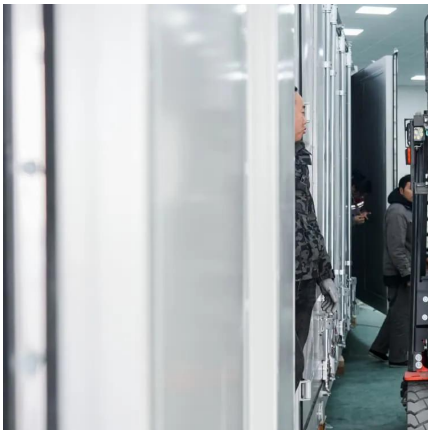
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