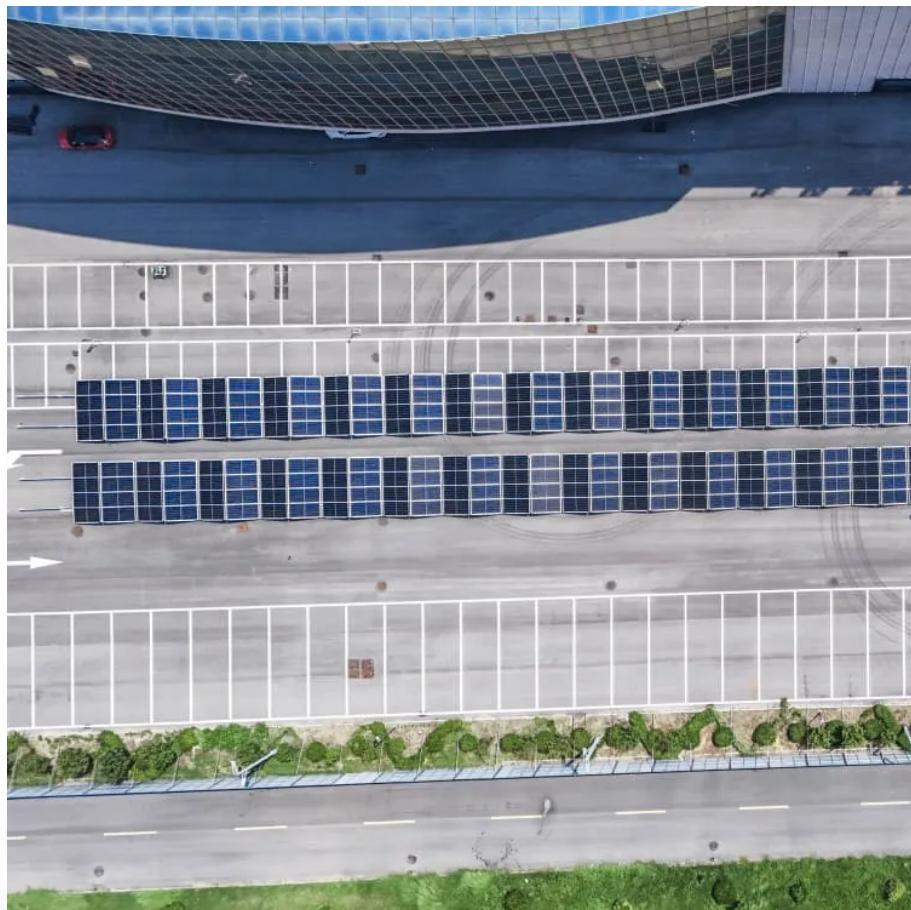




LLSE CONTAINERS

Liquid Cooling Energy Storage to Prevent Explosion





Overview

Can immersion cooling stop battery energy storage systems from catching fire?

Energy technology specialist Etica Battery has developed an immersion cooling system which it says can help stop Battery Energy Storage Systems (BESS) going into thermal runaway and catching fire.

Why do energy storage systems need immersion cooling?

It also provides continuous cooling, even in the event of a pump or power failure, ensuring system stability. Compared to gaseous and aerosol agents, immersion cooling offers both active heat management and passive fire suppression, making it the most comprehensive solution available for energy storage systems.

How is immersion cooling transforming battery energy storage systems?

Immersion cooling is revolutionizing battery energy storage systems (BESS) by addressing the root cause of thermal runaway—excessive heat at the cell level.

Does immersion cooling reduce fire risk?

High-profile incidents, such as the fire at the Moss Landing Energy Storage Facility, have underscored the limitations of current cooling and safety measures. Immersion cooling, patented for BESS by EticaAG (a joint venture between Etica Battery and AGI), offers optimal thermal management and advanced fire suppression.



Liquid Cooling Energy Storage to Prevent Explosion



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Jan 8, 2025 · EticaAG is the original equipment manufacturer (OEM) of a patented immersion cooling battery energy storage system (BESS) technology, a breakthrough solution that ...



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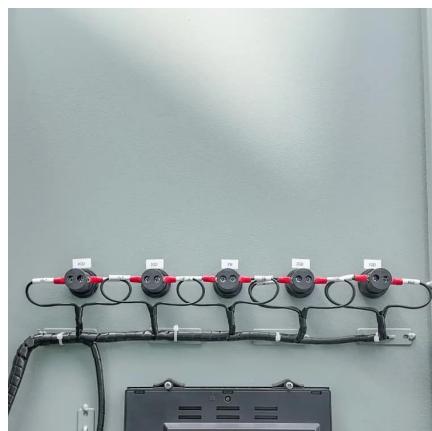
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[Fire Suppression in Battery Energy Storage Systems: Why ...](#)

May 2, 2025 · Learn how innovative fire suppression techniques, like immersion cooling, address risks in Battery Energy Storage Systems today.



[Explosion Control Guidance for Battery Energy Storage ...](#)

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Immersion Cooling and Fire Suppression for BESS

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