



# Cause of Tesla energy storage system explosion





## Overview

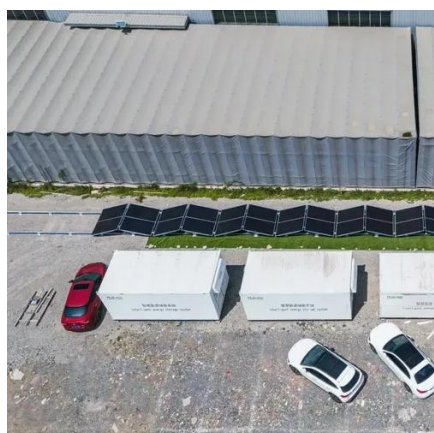
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ESRG conducted and completed a root cause analysis investigation of the Fall 2022 incident, revealing that an equipment installation issue resulting in water ingress caused the battery's cells to overheat and catch fire. A battery energy storage facility that was built inside an old power plant burned from Jan. Mike Takaki When fire broke out at the world's largest battery energy storage facility in January 2025, its thick smoke blanketed surrounding wetlands, farms and nearby communities on the. PG&E restarted Elkhorn battery system operations on December 30, 2022, after Energy Safety Response Group (ESRG) — an independent energy safety consulting firm — completed its investigation of the September 2022 fire incident, and after PG&E and Tesla implemented corrective actions and conducted. A liquid coolant leak caused thermal runaway in battery cells, which started a fire at the 300MW/450MWh Victorian Big Battery in Australia last July. A technical report into findings of specialist investigators has been released to the public, written by experts at Fisher Engineering and the Energy. The database compiles information about stationary battery energy storage system (BESS) failure incidents. Other Storage Failure. Did Tesla batteries cause the fire at the Monterey, California, power plant on January 16, 2025 or was their presence related to it?

No, that's not true: Fire officials said the fire at the Moss Landing facility started inside a building operated by Vistra Energy, not at a nearby Tesla battery. The Tesla battery fire in Boulder City is the second Megapack blaze in less than a month, raising urgent safety questions for large-scale energy storage. These incidents highlight the risks of lithium-ion technology and the need for safer alternatives like EticaAG's immersion-cooled systems that.



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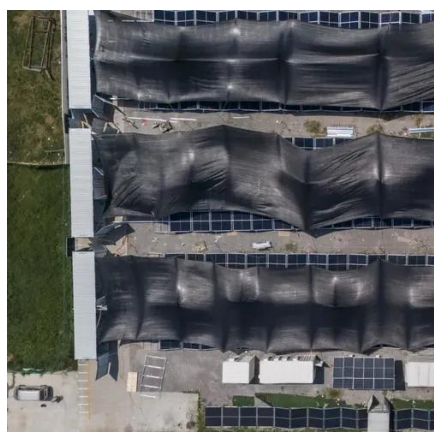
### PG& E Shares Findings of September 2022 Moss Landing Megapack ...

During the September 2022 incident, one Tesla Megapack out of 256 on site caught fire and the safety systems at the facility worked as designed and automatically disconnected the battery storage facility ...

### Giant Battery Storage Explosion Causes California Fires, Again

Latest reports suggest it might be Vistra's facility with LG batteries, though the cause remains unknown. According to Canary Media's latest reporting from Moss Landing, this would make ...

114KWh ESS



### BESS Failure Incident Database

The published report Insights from EPRI's Battery Energy Storage Systems (BESS) Failure Incident Database: Analysis of Failure Root Cause contains the methodology and results of this root cause ...

### Tesla Battery Storage Fire at Boulder City Solar Highlights Urgent ...

On September 24, 2025, two Tesla Megapack units ignited at the Townsite Solar Facility in Boulder City, Nevada. The incident sent plumes of smoke into the desert sky and renewed questions about the ...



### Investigation confirms cause of fire at Tesla's Victorian Big Battery

The investigation largely confirmed what was found by Energy Safe Victoria, the state's regulatory body, as it cleared the project to resume testing and commissioning, but added more ...



### Fact Check: Tesla Batteries Did NOT Cause Monterey Power ...

No, that's not true: Fire officials said the fire at the Moss Landing facility started inside a building operated by Vistra Energy, not at a nearby Tesla battery storage area.



### Fire erupts at Tesla battery storage plant as residents told 'close all

A fire has broken out at a California power plant that is home to the largest battery storage facility in the world, as hazmat teams warn residents to close all windows and doors. The ...

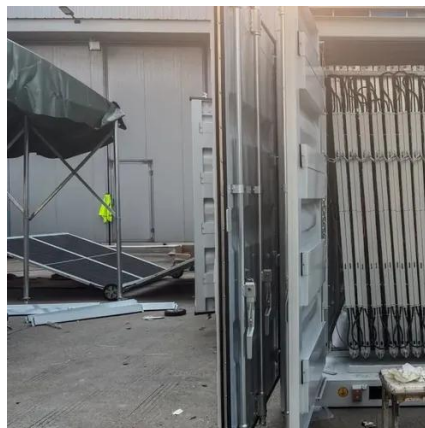


### Massive Lithium-Ion Battery Fire at



## Moss Landing Spurs Evacuations ...

A close call event occurred in October 2021 at the Phase I section of the Moss Landing Energy Storage Facility. This phase consists of a 300 MW/1,200 MWh system. The incident involved overheating of ...



## Tesla Megapack battery caught fire at PG& E substation in California

A Tesla Megapack caught fire at a PG& E energy storage facility in Monterey, California on Tuesday. The fire caused road closures and shelter-in-place orders for residents nearby.

## When the world's largest battery power plant caught fire, toxic metals

When battery energy storage facilities burn, the makeup of the chemical fallout can be a mystery for surrounding communities. Yet, these batteries often contain metals that are toxic to ...





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