

# Statistics of fire accidents in energy storage systems

Source: <https://elalmacendelaireacondicado.es/Tue-26-Jun-2018-8359.html>

Title: Statistics of fire accidents in energy storage systems

Generated on: 2026-05-21 01:40:44

Copyright (C) 2026 ELALMACEN SOLAR. All rights reserved.

---

A look at the data and literature around Failures and Fires in BESS Systems. The number of fires in Battery Energy Storage Systems (BESS) is decreasing.

This database defines utility-scale BESS as a system that is inter-connected to the grid, with no capacity limitations, while C& I systems could include behind-the-meter installations.

These accidents were analyzed based on four aspects: the type of batteries, the countries where the accidents occurred, the states of the EESSs, and the factors that caused the accidents.

On May 15, 2024, Gateway Energy Storage Facility in San Diego, California, experienced a BESS fire with continued flare-ups for seven days following the fire. The facility held about 15,000 nickel ...

A database detailing utility and commercial & industrial-scale energy storage failures over a 12-year period shows that California and New York are the US states that have experienced the most ...

Claimed as the first publicly available analysis of battery energy storage system (BESS) failures, the work is largely based on EPRI's BESS Failure Incident Database and looks at the root ...

Firstly, we overview the recent developments in thermal runaway mechanisms, gas venting behavior and fire behavior evolution at the battery, module, pack, and energy storage ...

Statistics on fire accidents involving energy storage power stations in the past 10 years. [...] The frequent safety accidents involving lithium-ion batteries (LIBs) have aroused...

Website: <https://elalmacendelaireacondicado.es>

