



Energy storage project impact





Overview

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The Department of Energy (DOE) Loan Programs Office (LPO) is working to support deployment of energy storage solutions in the United States to facilitate the transition to a clean energy economy. Accelerated by DOE initiatives, multiple tax credits under the Bipartisan Infrastructure Law and.

The energy storage sector maintained its upward trajectory in 2024, with estimates indicating that global energy storage installations rose by more than 75%, measured by megawatt-hours (MWh), year-over-year in 2024 and are expected to go beyond the terawatt-hour mark before 2030. Continued.

Battery energy storage systems (BESS) are able to address this challenge effectively. They are large-scale technologies designed to store and release electricity when needed. These systems are changing how power grids operate by ensuring that clean energy can be available even when the sun isn't.

The opportunity is clear: with the right policy reforms, revenue mechanisms, and investment frameworks, energy storage can deliver near-term reliability, long-term resilience, and economic returns. In 2024, energy storage became one of the most dynamic and consequential forces shaping the US energy.

As electrification accelerates and renewables expand across Europe, grid congestion and limited connection capacity pose growing challenges - particularly for new BESS. Battery energy storage system (BESS) deployment in the United States is accelerating as rising power demand, including from data.

While the deployment of energy storage systems across the U.S. has grown



dramatically in the U.S. in recent years, they are facing resistance in some communities where residents have voiced concerns over the risk of energy storage system fires and the amount of space required to install storage.



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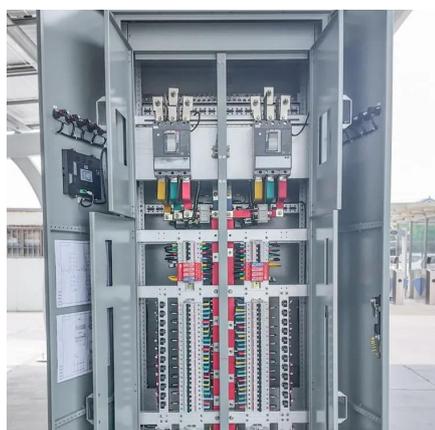
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[Future of Battery Energy Storage Systems \(BESS\) U.S. Report](#)

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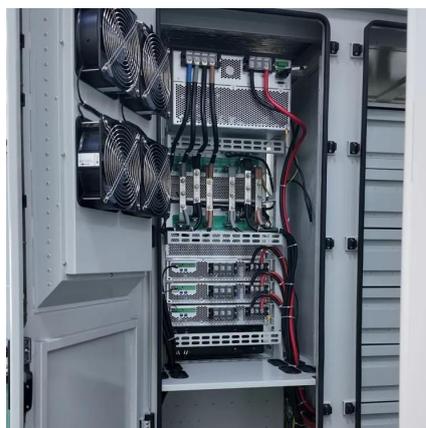
In this report, our lawyers outline key developments and emerging trends that will shape the energy storage market in 2025 and beyond.

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