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Overview

How can European policymakers help the battery storage sector?

Recommendations: How can European policymakers help the battery storage sector? Battery storage systems are essential for strengthening the EU's energy security and competitiveness by enhancing flexibility, providing ancillary services to secure the grid, maximising the use of renewable energy, and effectively dealing with energy price fluctuations.

How big is the battery storage capacity in Europe?

The operating battery storage capacity reached 49.1 GWh at the end of 2024. Over the past 4 years, the enlargement of Europe's BESS fleet has intensified, achieving a CAGR of nearly 20%, whereas from 2018-2021, the average annual increase remained below 50%. Thanks to this upswing during the last 4 years, the battery storage capacity in Europe is.

How will battery storage affect BESS deployment in Europe?

Battery storage targets continue to drive large-scale BESS deployment in Europe. As the transition to a decarbonised energy system progresses, the design of electricity markets must evolve to reflect spinning reserves, grid balancing and stability, black start capability, and resilience.

Which countries are leading the battery storage market in 2024?

Germany, France, and the UK continue to lead the market and deliver almost 70% of the annual capacity. In 2024, Europe's top three battery storage markets – Germany, Italy, UK – solidified their dominance, with Austria and Sweden closing the 'top 5' ranking (see Fig. 2). 2024 marked the first year when reac



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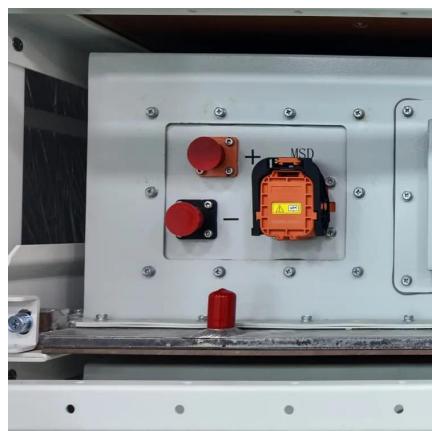
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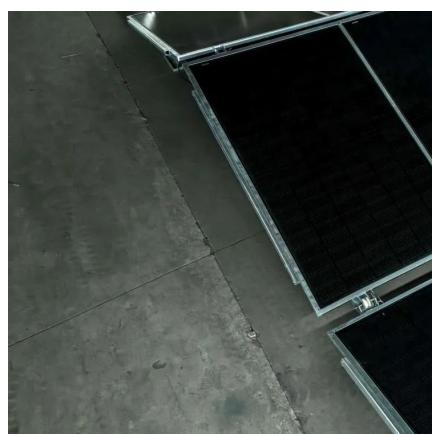
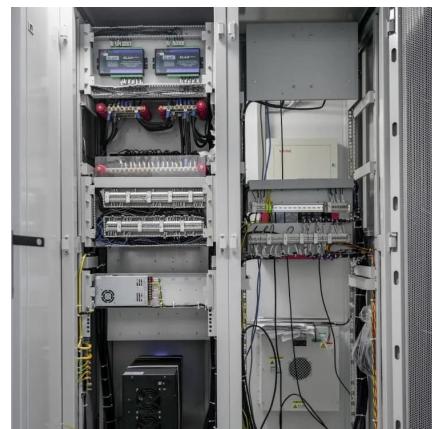
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