

Research report on the current status of Japan's energy storage industry

How is Japan's energy storage landscape changing?

Japan's energy storage landscape is shifting, pushed by household demand, corporate ESG mandates, and domestic battery manufacturing. The residential lithium-ion market, projected to grow at a CAGR of 33.9% through 2030, remains one of the fastest-expanding segments.

What is Japan's energy storage policy?

As policy, technology, and decarbonization goals converge, Japan is positioning energy storage as a critical link between its climate targets and energy reliability. Japan's energy storage policy is anchored by the Ministry of Economy, Trade and Industry (METI), which outlined its ambitions in the 6th Strategic Energy Plan, adopted in 2021.

Why is competitive landscape important in Japan energy storage systems industry?

It helps stakeholders to analyze the level of competition within the Japan energy storage systems industry and its attractiveness. Competitive landscape allows stakeholders to understand their competitive environment and provides an insight into the current positions of key players in the market. 1.

How big is Japan's battery storage market?

In the commercial space, Japan's battery storage market was valued at USD 593.2 million in 2023 and is projected to reach USD 4.15 billion by 2030. While commercial installations currently dominate revenues, industrial adoption is expected to scale faster. Utility-scale storage is also gaining ground.

What factors are driving market growth in Japan?

Moreover, the increasing deployment of grid stability ESS projects and the growing adoption of advanced thermal energy storage (TES) systems in buildings are strengthening market growth in Japan. These factors are projected to fuel the market growth in Japan in the coming years.

Why do we need energy storage systems?

Notably, the increasing need for ESS to address peak demand periods is a significant driver, ensuring a reliable power supply during high load periods. Additionally, the surge in electric vehicle (EV) development is boosting the demand for energy storage systems within the automotive industry, presenting positive prospects for the market.



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