

Japan's energy storage system demand response policy

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.

Can storage technology solve the storage problem in Japan?

THE RENEWABLE ENERGY TRANSITION AND SOLVING THE STORAGE PROBLEM: A LOOK AT JAPAN The rapid growth of renewable energy in Japan raises new challenges regarding intermittency of power generation and grid connection and stability. Storage technologies have the potential to resolve these issues.

Why is Japan focusing on energy storage?

Japan, which targets renewable energy representing 36% to 38% of the electricity mix by 2030 and 50% by 2050, is seeking to promote energy storage technologies as an enabler of that goal. At the same time, electricity demand forecasts for the coming years have risen due to the expected increased adoption of AI and the growth of data centres.

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.

How much money does Japan spend on energy storage?

For the scheme 'Support for the introduction of energy storage systems for home, commercial and industrial use', the Japanese government has allocated around JPY9 billion (US\$57.48 million) from the FY2023 supplementary budget.

Why is Japan investing in utility-scale energy storage?

Investment in utility-scale energy storage. **JAPAN'S RENEWABLE ENERGY TRANSITION** Since 2012, the Japanese government has actively championed renewable energy as an environmentally friendly power source, resulting in renewable energy



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