



Japan's energy storage product requirements

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.

How important is battery energy storage in Japan?

Battery energy storage systems ("BESS") are playing an increasingly important role in the transition towards net zero. However, the regulations for BESS in Japan were generally perceived as requiring further clarification and development to promote this industry.

Why should Japan invest in storage batteries?

Energy Security: Storage batteries are key to stabilizing Japan's energy system. Given Japan's limited natural resources and dependence on imports, combined with its vulnerability to natural disasters, investing in reliable and sustainable energy solutions is critical.

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 storage battery industry strategy?

The "Storage Battery Industry Strategy" document from METI sets out three key targets: Boost Domestic Manufacturing: Japan aims to ramp up its domestic production of automotive storage batteries to 100 GWh by 2030, with a long-term goal of reaching 150 GWh annually. This move highlights the potential for foreign companies to invest in Japan.

What percentage of Japan's energy comes from renewable sources?

From our hydrogen presentation, you may recall that 20% of Japan's energy currently comes from renewable sources, with a goal to increase this to 36-38% according to the latest Basic Energy Plan by the Agency for Natural Resources and Energy.

The international market conditions and domestic policy shifts highlight the necessity for Japan to maintain a flexible and responsive energy strategy to balance its immediate energy security ...



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