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Price of Japanese household energy storage power supply





Overview

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 much does electricity cost in Japan?

The chart above illustrates Electricity prices in Japan, in JPY/kWh, from May 2024 to May 2025, as follows: Further information about price assessments covered can be found in the assessments guide. In May 2025, the Electricity, ind, JP price was around 17.5 JPY per kWh.

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 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.



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Additionally, frequent natural disasters have increased interest in backup power solutions. Furthermore, energy security concerns, household preparedness, and government-backed ...

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