

Japan's medium and large energy storage

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 first energy storage project?

In 2015, we started Japan's first demonstration project covering energy storage connected to the power grid in the Koshikishima, Satsumasendai City, Kagoshima. This project is still operating in a stable manner today. One feature of our grid energy storage system is that it utilizes reused batteries from EVs.

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 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.

Rendering of Eku Energy's 150MW/600MWh Eshi BESS project, awarded a 20-year LTDA capacity contract. Image: Eku Energy ...

Interview Key Social Issue | Mitigation of climate change Large-scale energy storage business Providing a platform that stores energy to promote the transition to ...

The Government of Japan formulates the "Strategic Energy Plan" to show the direction of Japan's energy policy. It is reviewed at least every 3 years in view of the latest energy situations at ...

Japan Energy Storage Market Research Report By Technology (Lithium-ion Batteries, Flow Batteries, Lead-Acid Batteries, Sodium-Sulfur Batteries), By End-use (Residential, ...

Why Japan is Betting Big on Grid-Scale Energy Storage As of March 2025, Japan's Ministry of Economy, Trade and Industry (METI) has allocated 2.3 trillion (\$15.4 billion) to accelerate ...

Rendering of Eku Energy's 150MW/600MWh Eshi BESS project, awarded a 20-year LTDA capacity contract. Image: Eku Energy ESN Premium's deep dive into Japan ...

By 2025, Japan's energy storage scale is projected to skyrocket, driven by renewable energy adoption and post-Fukushima reforms. Let's unpack how this tech-savvy ...

The results of the first round convinced METI to double the capacity allocated for battery storage. As Japan takes a leading role in Asia's grid-scale energy storage market, it's ...

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Report: Energy Storage Landscape in Japan Aside from Japan's plans for wide-spread implementation of smart-city and smart-grid technology during the coming decades, ...

Japan's advancements include large-scale battery systems, pumped hydro storage, and even novel solutions like hydrogen storage. Mitsubishi Electric, for example, has ...

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Japan's energy storage policies, market statistics, and trends--from METI's strategic plans and subsidy programs to deployment challenges.

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