

Title: Japan's direct energy storage solution

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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 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.

Can EV batteries be reused in Japan?

One feature of our grid energy storage system is that it utilizes reused batteries from EVs. Although the penetration rate of EVs in Japan is still only about 1%, the Japanese government aims for 100% of all new passenger car sales to be EVs by 2035. This, at the same time, means that more batteries will be discarded.

As the grid gets smarter and the demand for clean energy surges, Japan is racing to ensure the power stays on -- even when the sun isn't shining and the wind isn't blowing. ...

Virtual power plants are emerging as a key growth driver for Japan's energy storage sector. By connecting residential batteries across the country through advanced cloud ...

Tokyo, 12 June 2025 - Saft, a subsidiary of TotalEnergies, has been selected by leading Asian renewable energy developer Gurin Energy to supply a battery energy storage system (BESS) ...

ESN Premium's deep dive into Japan continues with a look at the complexities of an evolving market underpinned by strong drivers for energy storage.

In response to this issue, Sumitomo Corporation aims to expand its business of storing energy nationwide in Japan by developing a large-scale energy ...

Virtual power plants are emerging as a key growth driver for Japan's energy storage sector. By connecting residential batteries across ...

Risen has precisely targeted this market demand by introducing customized solutions to enter the Japanese energy storage ...

Japan's EV adoption rate crossed 28% in 2024, creating a massive battery recycling opportunity. The new policy's "Battery Passport" system tracks cells from manufacture to second-life ...

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