

A-Core Container

Japan s new energy storage project



Overview

Japan's largest renewable battery storage project will be co-located with Sonnedix's 30 MW AC/38.6 MW DC solar power facility. It is expected to enhance grid stability and improve dispatch flexibility. What is Renova-Himeji battery energy storage system?

The Renova-Himeji Battery Energy Storage System is a 15,000kW lithium-ion battery energy storage project located in Himeji, Hyogo, Japan. The rated storage capacity of the project is 48,000kWh. The electro-chemical battery storage project uses lithium-ion battery storage technology. The project will be commissioned in 2025.

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 energy storage capacity?

Global energy storage capacity was estimated to have reached 36,735MW by the end of 2022 and is forecasted to grow to 353,880MW by 2030. Japan had 1,671MW of capacity in 2022 and this is expected to rise to 10,074MW by 2030. Listed below are the five largest energy storage projects by capacity in Japan, according to GlobalData's power database.

How do storage systems work in Japan?

Storage systems like BESS help keep power systems stable, especially when more electricity comes from solar and wind sources. Other projects in Japan include a municipal BESS project in Iida City, Nagano Prefecture. This small-scale system, with an installed capacity of 2 MW/4 MWh, is operated by a city-owned energy company.

How many GW of energy projects did Japan win?

A total 1.67 GW of projects won contracts, including 32 battery storage systems totalling 1.1 GW and three pumped hydro energy storage projects totalling 577 MW. Japan's Ministry of Economy, Trade and Industry (METI) plans to hold more auctions this year and in the future.

How many battery storage projects will Stonepeak and CHC develop in Japan?

Stonepeak and CHC's energy storage platform will develop five new battery storage projects in Japan. These projects have a combined capacity of 348 megawatts (MW). The deals were finalized under Japan's Long-term Decarbonization Auction. These projects were selected as part of Japan's latest long-term auction focused on low-carbon energy.

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