

Comparison of energy storage projects in Osaka Japan





Overview

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 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 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.

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.



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Itochu, Osaka Gas partner for 11 MW grid-scale battery energy storage

Itochu has launched Senri Power Storage, a grid-scale battery energy storage system (BESS) project with 11 MW output and 23 MWh energy capacity in Suita City, Osaka ...

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Osaka Gas and Sonnedix prepare Japan's 'largest renewable ...

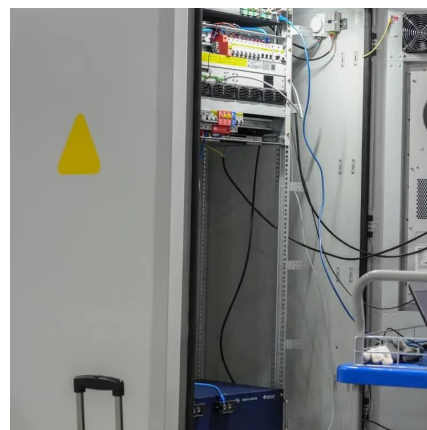
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The new project aims to launch operations of the Takeo Grid Storage plant by the end of 2025, building on Osaka Gas's experience from its previous Senri Grid Storage ...

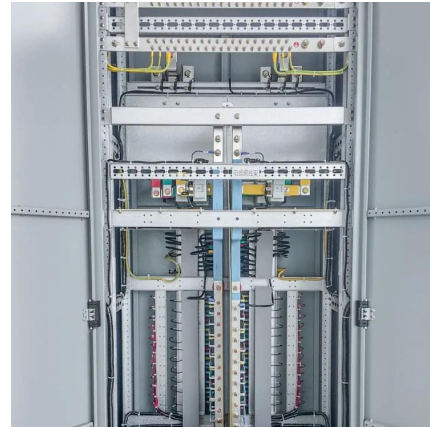
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[Osaka Gas and Sonnedix prepare Japan's](#)

Osaka Gas and Sonnedix installing what is claimed to be the largest BESS co-located with renewable energy generation in Japan so far.

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Osaka Gas commissions first grid-scale BESS with partners, ...

Osaka Gas, Itochu, and Tokyo Century commissioned the 11MW/23MWh Senri Power Storage Station in Suita City, Osaka Prefecture, on August 20, 2025, the companies ...

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[Top five energy storage projects in Japan](#)

Listed below are the five largest energy storage projects by capacity in Japan, according to GlobalData's power database. GlobalData uses proprietary data and analytics to ...

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Japan Launches Largest Renewable Battery Storage



Project By Osaka ...

Japan's largest renewable battery energy storage system (BESS) project has broken ground in Kyushu under developers, Osaka Gas and Sonnedix.

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Japan's Largest Grid-Connected Battery Storage to Be Built in Osaka

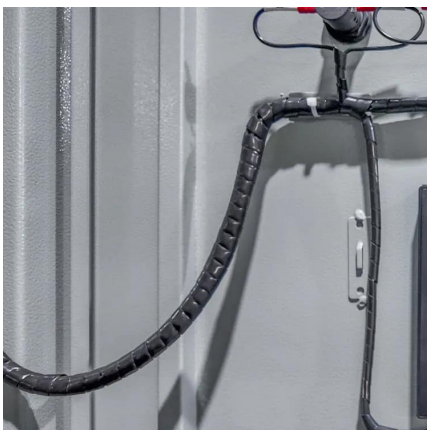
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Implementation of Grid Storage Battery Business with...

The Daigas Group aims to contribute to the spread of renewable energy power sources worth 5,000 MW*7 both within Japan and abroad, including in-house ...

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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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