

Japan s overseas energy storage projects





Overview

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. 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 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.

Why are battery storage projects growing in Japan?



The ramp up of battery storage projects in Japan continues apace, aided by growing subsidy avenues and rising volumes on various electricity markets, from spot to balancing to capacity.

What projects are being done in Japan?

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. It is used to stabilize power from local solar panels and support community resilience.



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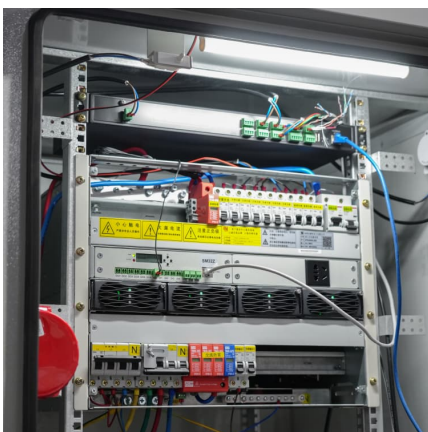
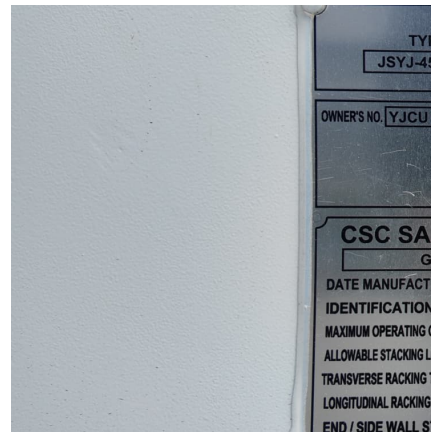


[Full-scale Commencement of Japanese CCS Projects](#)

On June 13, the Japan Organization for Metals and Energy Security (JOGMEC) selected seven role model projects aiming for business scale-up and cost ...

[Japan: 1.67GW of energy storage wins in capacity auction](#)

Over a gigawatt of bids from battery storage project developers have been successful in the first-ever competitive auctions for low-carbon energy capacity held in Japan. ...



Japan overseas energy storage project energy storage workshop

Where is the Hirohara battery energy storage system located? Thank you. The Hirohara Battery Energy Storage System (BESS) is located in Oaza Hirohara, Miyazaki City, Miyazaki ...

[12 grid-scale BESS projects totaling 180MW/595MWh ...](#)

5 ???· A total of 12 projects totaling 180MW/595.3MWh was awarded 13 billion yen through Tokyo's FY2024 subsidy for promoting



grid-scale battery ...



[Sumitomo targets 500 MW of battery storage in Japan ...](#)

Sumitomo Corp plans to install 500 MW of battery energy storage in Japan by 2031 to stabilize the supply of renewable energy and improve the efficiency of ...

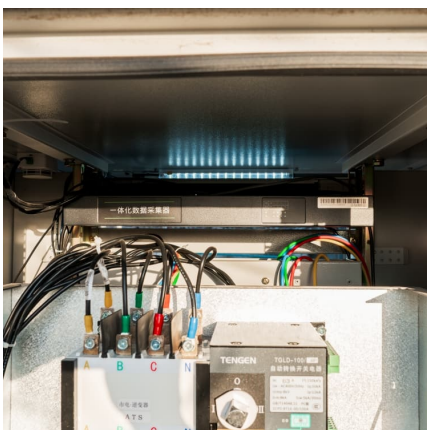
[OVERSEAS ENERGY STORAGE PROJECTS COULD BE THE ...](#)

2021 overseas energy storage projects energy storage Analysis and research firm IHS Markit has predicted that over 10GW of new energy storage will be deployed during this year, with around ...



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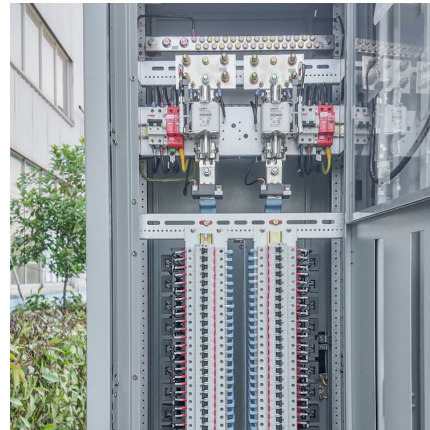
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Japan Battery Energy Storage System

6 ???· Gur?n Energy is developing a pipeline of utility-scale battery energy storage system (BESS) projects to enable greater flexibility of the grid and ...



Japan: Large-scale battery storage opportunities in an evolving ...

Japan's energy storage market is experiencing a wave of significant growth, as ESN Premium hears from Eku Energy and BloombergNEF. In the past few months, Energy ...

Overseas energy storage field development

Under the wave of sustainable energy development, energy storage system projects have achieved great success in overseas applications and played an important role in promoting



Japan Confirms Five New Battery Storage Projects

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).



Carbon capture and storage: current initiatives and future

Coinciding with Japan Energy Summit & Exhibition 2025, Dr Tomomi Yamada, Managing Executive Officer of Japan Petroleum Exploration Co., Ltd (JAPEx), shares his ...



[Japan invests big in LNG despite climate-friendly ...](#)

Japan is a world leader in funding natural gas projects, while at the same time leading a forum in Asia calling for a fossil fuel phase-out.

Briefing Note: Japan's CCS (Carbon Capture and Storage) Policy

Public funds should not be used for CCS projects, especially the ones involving the exportation of CO₂ overseas Taking into consideration Japan's historical responsibility for ...





Japan: Tesla to supply 548MWh BESS, Sumitomo a 12MWh VRFB

A render of the BESS project. Image: ORIX Corporation / PR Times. Tesla and Sumitomo Electric have both been selected to supply energy storage projects in Japan. Tesla ...

IS THERE A FUND FOR ENERGY STORAGE WORK IN...

IS THERE A FUND FOR ENERGY STORAGE WORK IN JAPAN S OVERSEAS ENERGY STORAGE PROJECTS How can Japan encourage investment in energy storage? Japan??s ...



THE RENEWABLE ENERGY TRANSITION AND SOLVING ...

THE RENEWABLE ENERGY TRANSITION AND SOLVING THE STORAGE PROBLEM: A LOOK AT JAPAN The rapid growth of renewable energy in Japan raises new challenges regarding ...

Overseas agent for tokyo energy storage project

In addition to making major regulatory changes, such as allowing standalone energy storage assets to participate in energy trading, the Japanese government has introduced a subsidy ...



Gur?n Energy Partners with Saft for Major Battery Storage Project in Japan

Gur?n Energy Selects Saft 's Battery Energy Storage System for First Japanese Project -- **Tokyo, 12 June 2025** - Saft, a subsidiary of TotalEnergies, has been chosen by ...



Japan's Strategy to Expand Renewable Energy Contributes to ...

This article shines light on Japan's policy regarding renewable energy, which is also expected to contribute to global efforts toward tripling renewable energy generation ...



Pumped Storage Hydropower

Pumped storage hydro - "the World's Water Battery" Pumped storage hydropower (PSH) currently accounts for over 90% of storage capacity and stored energy in grid scale ...

[Djibouti overseas energy storage project energy](#)



storage

An aerial view of part of New Caledonia, an overseas territory of France. Image: NASA/GSFC/Landsat. The government of New Caledonia, a French overseas territory in ...



Akaysha and Itochu partner on battery storage projects

The alliance will see Akaysha and the Itochu Corporation promote the development of energy storage projects in Japan and also co-operate to expand the activity ...

Sumitomo targets 500 MW of battery storage in Japan by 2031

Sumitomo Corp plans to install 500 MW of battery energy storage in Japan by 2031 to stabilize the supply of renewable energy and improve the efficiency of the energy system.



23 years of overseas energy storage projects

Japan's federal and local governments announced annual subsidy programs for utility-scale batteries, while South Korea set a 25GW/127GWh storage target by 2036. India is taking steps ...



Japan's 2025 Energy Storage Policy: Powering a Sustainable Future

A country with limited fossil fuels, frequent earthquakes, and a post-Fukushima energy identity crisis. Now imagine it leading the global charge in renewable energy storage. ...



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