



SolarMax Pro Energy Storage Systems

Japan energy storage project completed





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 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.

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.

Why are Japanese companies investing in battery energy storage systems?

Sign up [here](#). That is creating surging interest in battery energy storage systems (BESS) to smooth mismatches in supply and demand. Since



December 2023, companies have announced investments of at least \$2.6 billion in Japanese battery storage projects, according to calculations by Reuters.

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.



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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 ...

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

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[Developer commissions first BESS in Japan to trade ...](#)

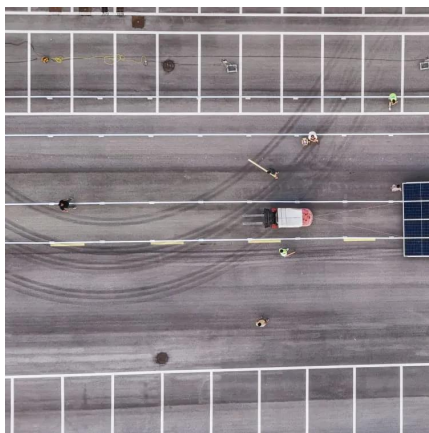
Milestone reached in utility-scale battery storage market development in Japan, with Pacifico Energy trading energy from two new ...

[Gurin Energy appoints tech provider for 2GWh Japan ...](#)

Saft will install, commission and operate the BESS for Phase One of the project in Fukushima,



northeast Japan. Image: Saft Renewable energy
...



[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).

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[Japan Energy Storage Acquisition Battery Project](#)

Are battery storage projects eligible for competitive power auctions? Containerised battery storage units at a project in Hokkaido, northern Japan, where grid operator's rules require renewable ...



Joyo Shoji teams up with Shirokuma on realizing its 37MW LTDA ...

On July 2, 2024, Joyo Shoji announced it contracted Shirokuma Power for help with the commercialization of a battery storage project, which Joyo Shoji was awarded in Japan's ...



Manoa Energy

April 25, 2025 - Manoa Energy has successfully completed the delivery of all battery energy storage system (BESS) units for Helios 1, a 50 MW / 104 MWh project located in Shinkawa, ...

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

This announcement follows Kansai Electric's recent progress in large-scale battery storage. In December 2024, Kansai Electric, in partnership with ORIX Corporation, completed ...



[Japan Energy Storage Policies and Market Overview](#)

Despite strong policy signals, Japan's energy storage rollout faces deep structural headwinds. The nation's split-grid architecture--50 Hz in the east and 60 Hz in the ...



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EDF Power Solutions has been awarded a 110 MW lithium-ion battery storage project in Japan as part of the country's second Long-Term Decarbonization Auction (LTDA).

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Xodus Part of Japan's First Large-scale Carbon Capture and Storage Projects

Global energy consultancy Xodus secured a landmark contract to support the development of an advanced carbon capture and storage (CCS) hub in Japan.

[NTT Anode Energy commissions three high-voltage ...](#)

NTT Anode Energy commissioned three grid-scale battery storage facilities in Saitama Prefecture between January and May 2025, it announced ...



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 ...

Exploring latest developments in global pumped storage projects

In February it was announced that Hitachi Energy has completed and handed over to Austrian power generator Verbund the world's first static frequency converter (SFC) solution ...



12 grid-scale BESS projects totaling 180MW/595MWh secure 13B ...

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

In December 2024, Kansai Electric, in partnership with ORIX Corporation, completed and began operating the Kinokawa Energy Storage Plant in Kinokawa City, ...



[Japan's solar energy storage battery life](#)

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 ...



Japan scales up batteries but companies worry rule changes may ...

...

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