

Japan 800MW Energy Storage Power Station Project





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.

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.

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.

Where are Japan's power requests coming from?

Though the requests are only indications of interest and not actual promises of power delivery, that was nearly triple from the prior year period, with most of the interest coming from Tohoku, Tokyo, Kyushu and the Chugoku region in the west where curtailments are also frequent.

How much battery power does Japan have?

As of March, Japan had 0.23 GW of grid-connected BESS, according to METI. By comparison, China has 75 GW and the U.S. has installed nearly 26 GW of



battery storage capacity, according to the Energy Institute.

Why is Sumitomo launching a large-scale energy storage platform?

One of the main reasons is the insufficient capacity of transmission lines. In response to this issue, Sumitomo Corporation aims to expand its business of storing energy nationwide in Japan by developing a large-scale energy storage platform that can compensate for this lack of transmission line capacity.



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

3 days ago· Mahdi Behrangrad, head of energy storage system and virtual power plant department at Pacifico Energy, an early participant in Japan's battery storage sector, with ...

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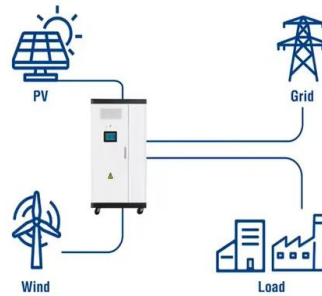
[Japan: 1.67GW of energy storage wins in capacity auction](#)

A total 1.67GW of projects won contracts, including 32 battery energy storage system (BESS) totalling 1.1GW and three pumped hydro energy storage (PHES) projects ...



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Macquarie-backed Eku Energy closes first Japan battery storage project

Battery storage developer Eku Energy has partnered with utility Tokyo Gas on a grid-scale energy storage project in Japan, with construction expected to start soon.

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[Kazunogawa Underground Pumped Storage Plant](#)

Tokyo Electric & Power Company (TEPCO) completed the Kazunogawa Power Plant in Japan's Yamnashi Prefecture in 2000. The plant is an 800MW underground pumped storage plant that ...

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JPN ENERGY commissions its first grid-scale BESS project, ...

JPN ENERGY Integrated System commissioned its first grid-scale battery storage facility and established Kirishima Chikudensho LLC, a joint venture with GreenEnergy& Co and ...

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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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How many pumped hydro projects are there in Japan? Japan currently has threemajor pumped hydro projects in various stages of completion,including one serving Tokyo that will have the ...

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