

Which companies have energy storage power stations in 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.

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.

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.

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.



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Top five energy storage projects in Japan

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Large-scale energy storage business

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Top five energy storage projects in Japan

GS Yuasa-Kita Toyotomi Substation - Battery
Energy Storage System
Minami-Soma Substation - Bess
Nishi-Sendai Substation - Bess
Aquila
Capital Tomakomai Solar PV Park - Battery
Energy Storage System
Renova-Himeji Battery
Energy Storage System
The Minami-Soma
Substation - BESS is a 40,000kW lithium-ion
battery energy storage project located in
Minamisoma, Fukushima, Japan. The rated
storage capacity of the project is 40,000kWh.
The electro-chemical battery storage project
uses lithium-ion battery storage technology. The
project was announced in 2015 and will be
commissioned in 2016. The See more on power-
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