
Construction of a large-scale energy storage project in Osaka Japan

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 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.

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.

However, Japan has to date seen few co-located or hybrid solar-plus-storage plants at the multi-megawatt scale of the Osaka Gas and Sonnedix project. The Japanese subsidiary ...

Osaka, Japan -- Kansai Electric Power Co., Kinden Corporation, and Japan Excellent Infrastructure (JEXI) have announced plans to build one of Japan's largest grid-connected ...

Its construction was supported by an approximately 813 million yen subsidy under METI's FY2022 supplemental budget program for grid-scale battery storage projects. Itochu ...

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The results of the first round convinced METI to double the capacity allocated for battery storage. As Japan takes a leading role in Asia's grid-scale energy storage market, it's ...

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