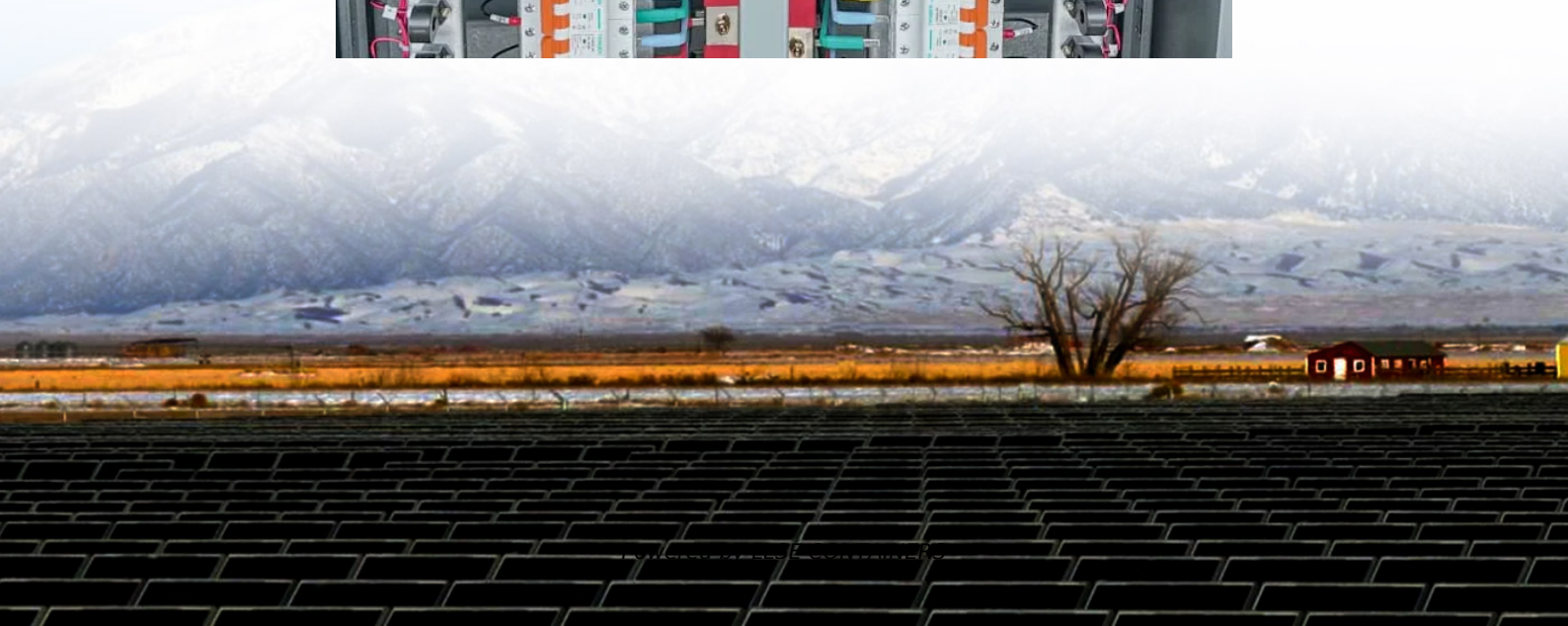


# BESS energy storage backup power supply in Osaka Japan





## Overview

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What is a battery energy storage system (BESS)?

Battery Energy Storage Systems (BESS) at both Extra High Voltage (EHV, typically 154kV and above) and High Voltage (HV, typically 6.6kV-66kV) levels are increasingly critical for grid stability, frequency regulation, and renewable energy smoothing.

Does Eku Energy have a Bess project in Australia?

Outside of Japan, Eku Energy was recently selected in February 2025 for a separate energy storage agreement in Australia. That project involves a 100MW / 800MWh BESS in Yoogali, New South Wales.

What does Bess stand for?

Eku Energy Japan has announced that it has received approval from the Organization for Cross-regional Coordination of Transmission Operators (OCCTO) to move forward with the Eshi Battery Energy Storage System (BESS). The project is part of the Long-Term Decarbonization power source Auction (LTDA).

Where is Japan's largest battery energy storage system located?

The system will be located in Eshi, Kasaoka City, Okayama Prefecture. It will be among the largest battery energy storage systems in Japan. Once operational, the facility will be able to store enough energy to supply power for four hours to about 337,000 households, roughly one-third of the households in Okayama Prefecture.



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### [Osaka Gas commissions first grid-scale BESS with partners, ...](#)

1 day ago · Osaka Gas, Itochu, and Tokyo Century commissioned the 11MW/23MWh Senri Power Storage Station in Suita City, Osaka Prefecture, on August 20, 2025, the companies ...

### [Japan Approves Eku Energy's BESS to Support Power Grid](#)

Apr 30, 2025 · These smaller systems have capacities between 10MW to 20MW and are used to test peak balancing and renewable energy support. Outside of Japan, Eku Energy was ...



### [Japan: Large-scale battery storage opportunities in an ...](#)

Jul 15, 2025 · Eku Energy COO Tom Best at a ceremonial event to mark the start of construction at the 30MW/120MWh Hirohara BESS in September 2024. Image: Eku Energy Japan's energy ...



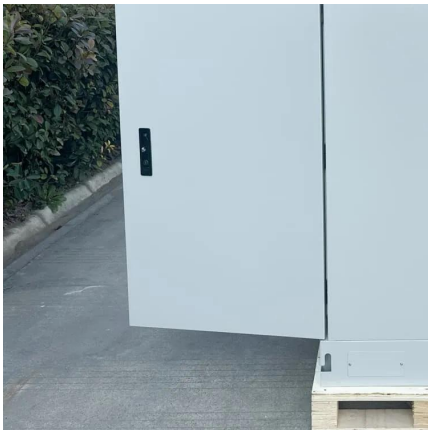
### [Itochu, Osaka Gas partner for 11 MW grid-scale battery energy storage](#)

Jun 13, 2023 · Itochu has launched Senri Power Storage, a grid-scale battery energy storage system (BESS) project with 11 MW output and 23 MWh energy capacity in Suita City, Osaka ...



### [Japan awards 1.4 GW of BESS in second long-term ...](#)

May 2, 2025 · Japan allocated 1.4 GW of battery energy storage (BESS) in the latest round of its Long-Term Decarbonization Auction (LTDA). The results showed BESS was the most ...



### [Japan Battery Energy Storage Systems Market Report](#)

The Japan Battery Energy Storage Systems (BESS) market is experiencing dynamic growth in Q1 2025, driven by the increased integration of renewable energy sources and electric vehicles, ...



### [Japan Launches Largest Renewable Battery Storage Project By Osaka ...](#)

Nov 30, 2025 · Japan's largest renewable battery energy storage system (BESS) project has broken ground in Kyushu under developers, Osaka Gas and Sonnedix.





### [Osaka Gas and Sonnedix to build BESS at solar project in Japan ...](#)

Nov 6, 2025 · Sonnedix Japan has brought online just under 500MW of solar PV in the country. Image: Sonnedix. Utility Osaka Gas and developer Sonnedix are installing a battery energy ...



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