



# Ratio of new energy storage configuration in Osaka Japan





## Overview

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Japan's storage configuration ratio surged from 1:4 (storage to solar capacity) in 2020 to 1:1.2 in 2025. Three factors explain this hockey-stick growth:.

Senri Power Storage Station is Osaka Gas's first operational grid-scale battery storage project. (Image: Osaka Gas) 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 announced on the same.

This article explores how advanced battery storage systems are transforming power management across commercial facilities, renewable energy proje As Japan's third-largest metropolitan area, Osaka faces unique energy challenges balancing industrial demand with environmental goals. This article.

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 battery storage facilities in Misaki Town, Osaka Prefecture. The Tannowa Battery Plant will feature an output capacity of 99 MW.

While Japan's electric vehicle adoption trails behind China and Europe—EVs make up less than 1% of its total vehicles—the country's energy storage configuration ratio tells a different story. As of 2025, over 20% of Japanese households have integrated solar-plus-storage systems, the highest.

Utility Osaka Gas and developer Sonnedix are installing what is claimed to be the largest battery storage facility co-located with renewable energy generation in Japan so far. The two companies announced yesterday (4 November) that their jointly operated business is constructing a 30MW/125MWh.

Japanese trader ITOCHU Corp (TYO:8001) announced today that, together with its partners, it has commenced the operation of an 11-MW/23-MWh energy storage facility in Osaka prefecture. Energy storage plant located on the premises of Senri Supply Center owned by OSAKA GAS NETWORK CO. Image by Itochu.



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### **ITOCHU, Osaka Gas, Tokyo Century Launch Utility-Scale Battery Storage**

ITOCHU, Osaka Gas and Tokyo Century will help accelerate the adoption of renewable energy, support the stability of the power grid, and work to realize a decarbonized ...

### **Japan's Energy Storage Configuration Ratio: How the Island ...**

As of 2025, over 20% of Japanese households have integrated solar-plus-storage systems, the highest penetration rate globally. This paradox reveals how Japan turned energy vulnerability ...



### [Osaka Gas and Sonnedix prepare Japan's](#)

Utility Osaka Gas and developer Sonnedix are installing what is claimed to be the largest battery storage facility co-located with ...



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### Osaka Leads the Charge in New Energy Storage Solutions for a

With solar and wind power generation soaring by 27% since 2020 (see Table 1), the need for advanced energy storage systems has never been more urgent. Think of these systems as ...



### Large-scale energy storage business

Here, we will delve into our path taken to launch a completely new business and start operation of the first large-scale energy storage facility in Japan in 2024, as well as the challenges and ...



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

Its construction was supported by an approximately 813 million yen subsidy under METI's FY2022 supplemental budget program for grid ...



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### [Japan's Largest Grid-Connected Battery Storage ...](#)

As Japan accelerates its energy transition and strengthens grid resilience, these landmark projects highlight the increasing role of ...



### [REPORT ENERGY STORAGE LANDSCAPE IN JAPAN](#)

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 Prefecture, Japan.

### Japan's ITOCHU, partners start up 11-MW energy storage plant in Osaka



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### **Energy Storage Batteries in Osaka: Powering Sustainable Urban**

This article explores how advanced battery storage systems are transforming power management across commercial facilities, renewable energy projects, and smart grid infrastructure - with ...



### **Japan's Largest Grid-Connected Battery Storage to Be Built in Osaka**

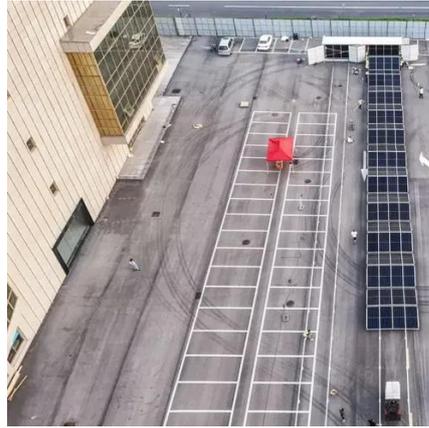
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