

# Japan s new energy storage power station planning





## Overview

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### What is Japan's 6th Strategic Energy Plan?

According to Japan's 6th Strategic Energy Plan, battery storage will be increased as a distributed source of electricity closer to end users and within microgrids. This new policy calls for an increase in installed solar capacity from 79 gigawatts (GW) in 2022 to 108 GW by 2030.

### 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.

### 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.

### What are Japan's Energy plans?

Japan's 6th Strategic Energy Plan (released in 2021) and the GX (Green Transformation) Decarbonization Power Supply Bill (released in 2023) target increasing the share of non-fossil fuel generation sources to 59% of the generation mix by 2030 compared with 31% in 2022.

### How do storage systems work in Japan?

Storage systems like BESS help keep power systems stable, especially when more electricity comes from solar and wind sources. Other projects in Japan include a municipal BESS project in Iida City, Nagano Prefecture. This small-scale system, with an installed capacity of 2 MW/4 MWh, is operated by a city-



owned energy company.

Why is battery storage important in Japan?

Once operational, the battery storage systems will help balance supply and demand on the national power grid. Battery storage is viewed as an important part of Japan's decarbonization plans. Storage systems like BESS help keep power systems stable, especially when more electricity comes from solar and wind sources.



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### Japan Confirms Five New Battery Storage Projects

Stonepeak and CHC's energy storage platform will develop five new battery storage projects in Japan. These projects have a combined capacity of 348 megawatts (MW).

### Japan energy storage power station project

t new-build renewable power plants in Japan include an energy storage component. The two largest solar PV power plants in Hokkaido, commis oned in July and ...



### **ORIX to construct 134MW energy storage facility in Japan**

Japanese company ORIX Corporation has announced plans to construct the Maibara-Koto energy storage plant, with a rated output of 134MW and a capacity of 548 ...

### **Japan's energy policies aim for increased zero-carbon electricity**

According to Japan's 6th Strategic Energy Plan, battery storage will be increased as a distributed





source of electricity closer to end users and within microgrids. This new policy ...



## Japan's Pumped Storage Power Station Projects: Powering the ...

Japan is pushing the envelope with AI-driven optimization to predict energy demand and reservoir levels. Drones now survey sites 10x faster than human teams, while ...



## Japan's 2025 Energy Storage Policy: Powering a Sustainable Future

A country with limited fossil fuels, frequent earthquakes, and a post-Fukushima energy identity crisis. Now imagine it leading the global charge in renewable energy storage. ...



## CHINA'S ACCELERATING GROWTH IN NEW TYPE ...

The scope includes two categories: dispatch-controlled new type energy storage and self-used new type energy storage by power stations. The former one refers to the new-type energy ...





## [Japan Renewable Energy Outlook 2025](#)

Background 8th Strategic Energy Plan, new Prime Minister and Renewables Volumes behind target. Over the last 12 years, Japan has witnessed a rapid expansion of its renewable energy ...

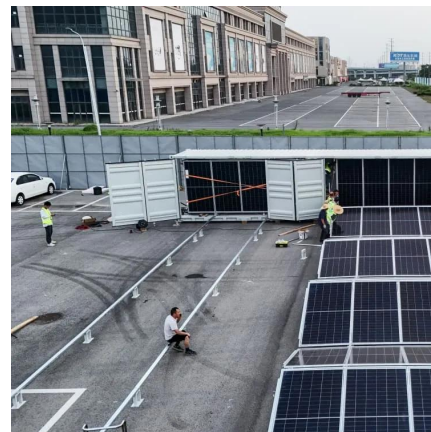


## **Kansai EPCO, Kinden, Japan Extensive Infrastructure ...**

Kansai Electric Power, its group company Kinden, and Japan Extensive Infrastructure (JEXI) will jointly develop a 99MW/396MWh battery ...

## [Japan's energy storage power station planning](#)

After more than a decade of experiment, we developed the EV Battery Station, a large-scale energy storage system that combines hundreds of reused batteries to provide high output and ...



## [Japan energy storage power station project](#)

The new-build renewable power plants in Japan include an energy storage component. The two largest solar PV power plants in Hokkaido, commissioned in July and October 2020, ...



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

...

3 days ago· Investors are pouring billions of dollars into Japan's nascent electricity storage market as power demand is growing after a long decline, but changes proposed to smooth the ...



## Orix Plans Japan's Largest Power Storage Plant Using Tesla ...

Japanese financial services group Orix is set to build one of the country's largest power storage facilities, partnering with Tesla Inc. for the supply of industrial-scale batteries.

## Japan's energy policies aim for increased zero-carbon ...

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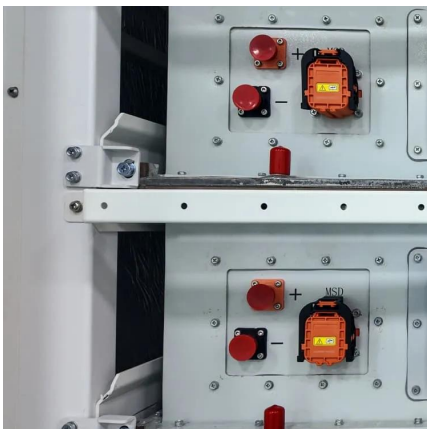


## Kansai EPCO, Kinden, Japan Extensive Infrastructure plan ...

Kansai Electric Power, its group company Kinden, and Japan Extensive Infrastructure (JEXI) will jointly develop a 99MW/396MWh battery storage facility at the former ...

## Strategic Energy Plan

In order to address these challenges, Japan will improve the flexibility of the power system through combining diverse resources including by formulating the master plan for the power ...



## Potential Capacity and Cost of Pumped-Storage Power in Japan ...

The ratio of variable renewable energy (VRE), such as solar and wind power generation, to annual power generation is increasing in Japan and other countries, and the importance of ...

## [Japan Energy Storage Policies and Market Overview](#)

Japan's energy storage policies, market statistics, and trends--from METI's strategic plans and subsidy programs to deployment challenges.





### **ORIX to construct 134MW energy storage facility in ...**

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### **Japan's first fund dedicated to grid storage batteries begins full**

Going forward, the plan is to launch the first energy storage station around fiscal 2025, and then proceed with the development and operation of energy storage stations one after another.



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