



**SolarMax Pro Energy Storage Systems**

## **Japan Power Storage**





## Overview

---

According to the , Japanese gross production of electricity was 1,041 TWh in 2009, making it the world's third largest producer of electricity with 5.2% of the . After Fukushima, Japan imported an additional 10 million short tons of coal and imports rose 24% between 2010 and 2012. In 2012 Japan used most of its natural gas (64%) in the power sector.

Japan's energy storage market is experiencing a wave of significant growth, as ESN Premium hears from Eku Energy and BloombergNEF. In the past few months, Energy-Storage.news has reported on energy storage project development, new business divisions and strategic partnerships in 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 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 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.

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.

How big is Japan's battery storage capacity?

Rystad forecasts Japan's battery storage capacity could reach about 4 GW based on projects under construction, planned and awarded, which would require \$6 billion in investment.

Should you buy a battery storage system in Japan?

In addition, Japan's capacity market is currently limited to battery storage systems lasting 3 hours, and the uncertainty of its overall revenue stack may make investors cautious about purchasing large-scale battery storage systems.



## Japan Power Storage

---

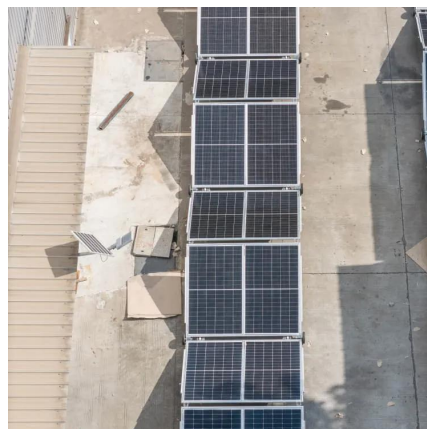


### [Is the Japanese energy storage market moving forward?](#)

As part of its efforts to achieve its goals of energy transition and liberalizing electricity market structures, Japan hopes to become one of the ...

### [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.



### [Power & Energy Exhibitions in Japan 2025-2026](#)

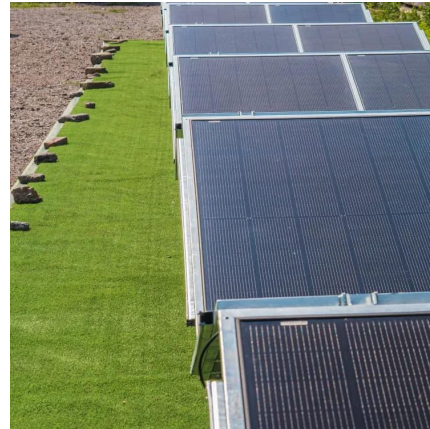
Power & Energy exhibitions in Japan Full and accurate description of Power & Energy events Schedule, tickets, accommodation, travel arrangement and participation

### [Battery storage stands out in Japan clean power auction](#)

Japan's first auction for long-term zero emissions power capacity has attracted strong bidding



interest with a plan to install battery storage, as investment in the power storage system is ...



## Japan: panel on BESS market growth, opportunities and challenges

Japan is one of the most talked-about emerging grid-scale BESS markets in Asia and featured prominently at the Energy Storage Summit Asia.

## [Introducing the World's First Battery Tanker 'X'](#)

IMABARI, JAPAN (May 25, 2023) - PowerX, Inc. (Head Office: Minato City, Tokyo, Japan; Director, President & CEO: Masahiro Ito, hereafter PowerX) ...



## [Top five energy storage projects in Japan](#)

Listed below are the five largest energy storage projects by capacity in Japan, according to GlobalData's power database. GlobalData uses proprietary data and analytics to ...



## Electricity sector in Japan

Japan relies mostly on pumped storage hydroelectricity to balance demand and supply. As of 2014, Japan has the largest pumped storage capacity in the world, with over 27 GW.



## Japan's 2035 Energy Outlook

By 2035, Japan will need 317GW of solar and 110GW of wind capacity Japan power capacity, Net Zero Scenario BloombergNEF. Note: CCS - carbon capture and storage, CCGT - combined ...

## [Tensor Energy , Insights and energy industry analyses](#)

Understanding the FIP Scheme and PV+Storage Opportunities in Japan Maximize the financial returns from your solar PV and batteries: leveraging the ...



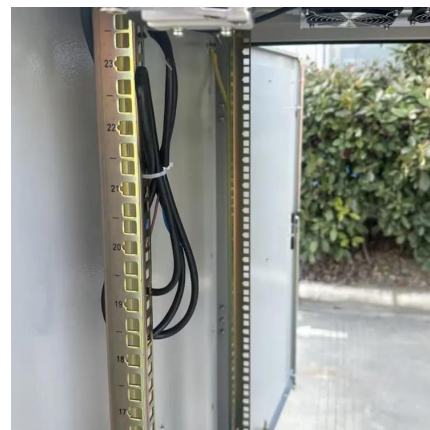
## [Japan on cusp of energy storage boom](#)

During normal times, household power outages in Japan are extremely rare. But it is not unusual for earthquakes and other disasters to cause widespread outages.



### How does Japan store energy? , NenPower

Japan employs a diverse mix of renewable energy sources, such as solar, wind, and hydro, combined with various storage technologies like lithium-ion and pumped hydro ...



### **Japanese solar building up resiliency against curtailment**

Mitsubishi and Japanese utility Kyushu Electric Power are teaming up to use more grid-scale storage, in order to reduce financial losses caused by curtailment.

### **EDF Power Solutions wins major energy storage contract in Japan**

EDF Power Solutions, a subsidiary specialized in energy storage of Électricité de France (EDF) Group, has secured a contract to develop an electrical storage project using lithium-ion ...





### Is the Japanese energy storage market moving forward?

As part of its efforts to achieve its goals of energy transition and liberalizing electricity market structures, Japan hopes to become one of the most promising grid-scale ...

### Top five energy storage projects in Japan

According to the International Energy Agency, Japanese gross production of electricity was 1,041 TWh in 2009, making it the world's third largest producer of electricity with 5.2% of the world's electricity. After Fukushima, Japan imported an additional 10 million short tons of coal and liquefied natural gas imports rose 24% between 2010 and 2012. In 2012 Japan used most of its natural gas (64%) in the power sector.



### **Trina Solar: Subsidiary Signs 2.48 GWh Energy Storage Product ...**

1 day ago· On September 10, Trina Solar (688599) announced that it had received notification from its controlling subsidiary, Jiangsu Trina Energy Storage Co., Ltd. (referred to as "Trina ...

### **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

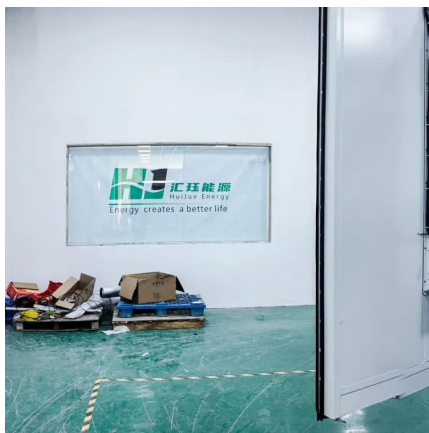


Japan in 2024, as well as the challenges and ...



## 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, ...



## 2025 Japan Energy Storage Scale: Trends, Innovations, and ...

By 2025, Japan's energy storage scale is projected to skyrocket, driven by renewable energy adoption and post-Fukushima reforms. Let's unpack how this tech-savvy ...



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

Japan allocated 1.4 GW of battery energy storage (BESS) in the latest round of its Long-Term Decarbonization Auction (LTDA). The results ...



## Japan: Tesla to supply 548MWh BESS, Sumitomo a 12MWh VRFB

A render of the BESS project. Image: ORIX Corporation / PR Times. Tesla and Sumitomo Electric have both been selected to supply energy storage projects in Japan. Tesla ...



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

2 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 ...

## Japan: Large-scale battery storage opportunities in an evolving ...

Japan's energy storage market is experiencing a wave of significant growth, as ESN Premium hears from Eku Energy and BloombergNEF. In the past few months, Energy ...



## Contact Us

---

For catalog requests, pricing, or partnerships, please visit:  
<https://www.bringmethehorizon.eu>