

## SolarTech Power Solutions

# Japanese Industrial Energy Storage Project



## Overview

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The GS Yuasa-Kita Toyotomi Substation – Battery Energy Storage System is a 240,000kW lithium-ion battery energy storage project located in Toyotomi-cho, Teshio-gun, Hokkaido, Japan. The rated storage capacity of the project is 720,000kWh. The electro-chemical battery storage project.

The Minami-Soma Substation – BESS is a 40,000kW lithium-ion battery energy storage project located in Minamisoma, Fukushima, Japan. The rated storage.

The Nishi-Sendai Substation – BESS is a 40,000kW lithium-ion battery energy storage project located in Sendai, Miyagi, Japan. The rated storage capacity of.

The Aquila Capital Tomakomai Solar PV Park – Battery Energy Storage System is a 19,800kW lithium-ion battery energy storage project located in.

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.

The project, which is expected to be operational by 2027, will be one of the largest energy storage facilities in Japan, helping the country address the challenge of renewable energy volatility and accelerate decarbonization. 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.

How much money does Japan spend on energy storage?

For the scheme 'Support for the introduction of energy storage systems for home, commercial and industrial use', the Japanese government has allocated around JPY9 billion (US\$57.48 million) from the FY2023 supplementary budget.

Why is Japan focusing on energy storage?

Japan, which targets renewable energy representing 36% to 38% of the electricity mix by 2030 and 50% by 2050, is seeking to promote energy storage technologies as an enabler of that goal. At the same time, electricity demand forecasts for the coming years have risen due to the expected increased adoption of AI and the growth of data centres.

Why are battery storage projects growing in Japan?

The ramp up of battery storage projects in Japan continues apace, aided by growing subsidy avenues and rising volumes on various electricity markets, from spot to balancing to capacity.

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 Gurn energy developing a battery energy storage system?

Gurīn Energy is developing a pipeline of utility-scale battery energy storage system (BESS) projects to enable greater flexibility of the grid and support the increased use of renewable energy in Japan. This includes the announced 500MW, 2GWh BESS capacity, which is currently under development.

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### Tesla Wins An Order for Japan's Largest Energy Storage Project

Feb 5, 2025 · It is reported that the project won the bidding in the 2023 Japanese long-term decarbonized power auction, which is the largest-scale project in the energy storage field, ...

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

Feb 5, 2025 · 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 energy storage industrial park

Battery energy storage system (BESS) and controls technology will be provided to a "smart industrial park" project in Thailand by Hitachi ABB Power Grids. In what has been described ...

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

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Jul 15, 2025 · In the past few months, Energy-Storage.news has reported on energy storage project development, new business divisions and strategic partnerships in Japan. These have ...



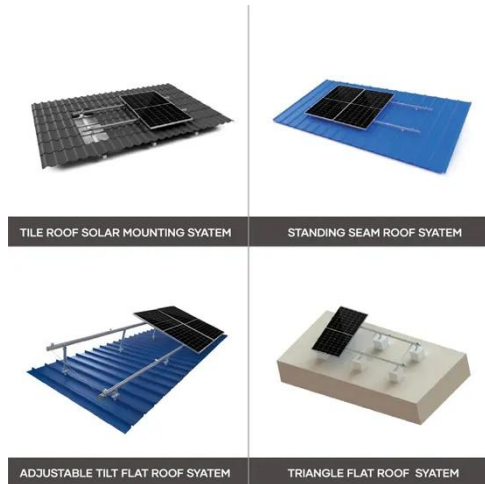
## JPN ENERGY commissions its first grid-scale BESS project, ...

Aug 11, 2025 · JPN ENERGY Integrated System commissioned its first grid-scale battery storage facility and established Kirishima Chikudensho LLC, a joint venture with GreenEnergy& Co and ...

## Energy Storage System Industrial Parks in Japan: Powering ...

With a \$33 billion global energy storage market [1], Japan is building specialized industrial hubs to tackle its unique energy challenges. From Fukushima's revival to robot-staffed facilities, let's ...



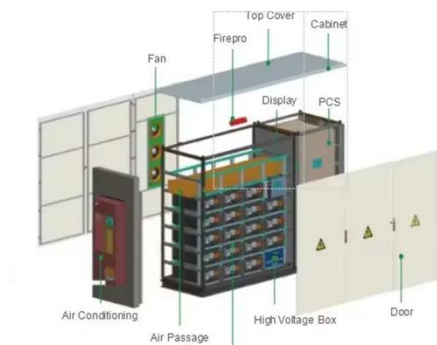


## Tesla Wins An Order for Japan's Largest Energy Storage Project

Feb 5, 2025 · According to Storage Discover, on February 4, 2025, Nikkei News and several other media outlets reported that Tesla (TSLA.O) has entered into a partnership with Japanese ...

## Trina Solar Lands First Industrial Solar Energy ...

Dec 21, 2023 · This collaboration solidifies Trina Solar's entry into the industrial energy storage sector in Japan, with a commitment to supply large-scale ...



## Gurin Energy enters Japanese market to develop 2GWh ...

Sep 13, 2024 · TOKYO, Friday, 15 December 2023 - Pan-Asian renewable energy developer Gurin Energy today announced plans to enter the Japanese market to develop, build and ...

## Trina Solar's Cliches First Industrial Storage ...

Dec 13, 2023 · This collaboration solidifies Trina Solar's entry into the industrial energy storage sector in Japan, with a commitment to supply large-scale ...



## Japanese govt helps add BESS to Eneos solar PV farm

Jul 8, 2024 · Eneos Renewable Energy is adding energy storage to its solar PV plant in southern Japan, thanks to a subsidy from the Japanese Ministry of Economy, Trade and Industry ...

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