

## SolarTech Power Solutions

# Japan BESS 220V solar energy storage battery



## Overview

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What is Nishi-Sendai substation – Bess?

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 project is 20,000kWh. The electro-chemical battery storage project uses lithium-ion battery storage technology.

What is the Minami-Soma substation – Bess?

The Minami-Soma Substation – BESS is a 40,000kW lithium-ion battery energy storage project located in Minamisoma, Fukushima, Japan. The rated storage capacity of the project is 40,000kWh. The electro-chemical battery storage project uses lithium-ion battery storage technology. The project was announced in 2015 and will be commissioned in 2016.

Can Bess projects be commercialised in Japan?

BNEF has only seen a limited number of cases where full merchant BESS projects have secured project financing. For Eku Energy, the LTDA is important to the business model of its Japanese projects but the developer, perhaps best known for projects in the UK and Australia, sees three pathways to commercialisation for large-scale batteries in Japan.

How many battery storage projects will Stonepeak and CHC develop in Japan?

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). The deals were finalized under Japan's Long-term Decarbonization Auction. These projects were selected as part of Japan's latest long-term auction focused on low-carbon energy.

How many Bess projects are there in Japan?

In the earlier round held in 2024, it won contracts for four BESS projects totaling 131 MW. Combined with the current round, the company now holds a

portfolio of nine BESS projects in Japan with a total capacity of 479 MW. The awarded BESS projects are now in late-stage planning.

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.

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