



MODERNIZATION SOLAR

# Japan's wind and solar energy storage power station construction plan





## Overview

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

Japan's Sixth Strategic Energy Plan was agreed in 2021, and formed a plan for 2030. It includes a large planned scale-up of solar, an increase in onshore wind, and a new offshore wind industry. On 29th May 2024, METI published a renewable energy progress document of the Sixth Plan. Here we summarise our key take-aways::

### 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 much do renewables contribute to Japan's energy mix?

Today, renewables contribute about 25% to Japan's energy mix, with over 75 GW of installed capacity. According to Japan's current Strategic Energy Plan renewables were targeted to make up 36-38% of the electricity mix by 2030.

### What is Japan's 7th strategic energy plan?

The Japan's 7th Strategic Energy Plan has been approved by the Cabinet on 18 January 2025. Renewable Energy Institute has quantitatively demonstrated and presented various arguments that more than 90% of electricity can be supplied by renewables in 2040, which will result in a low-cost and self-sufficient energy supply 1 2.

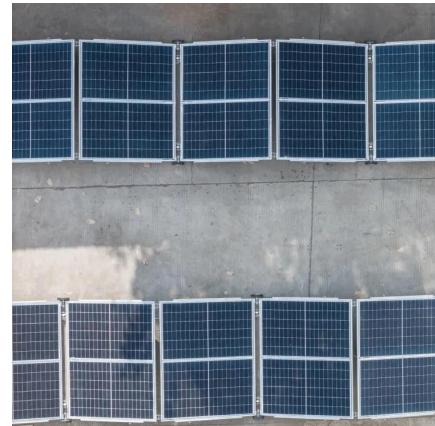


## Japan's wind and solar energy storage power station construction



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## Japan Wind and Solar Energy Storage Power Station Construction Plan

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### Renewable electricity in Japan's 7th Strategic Energy Plan

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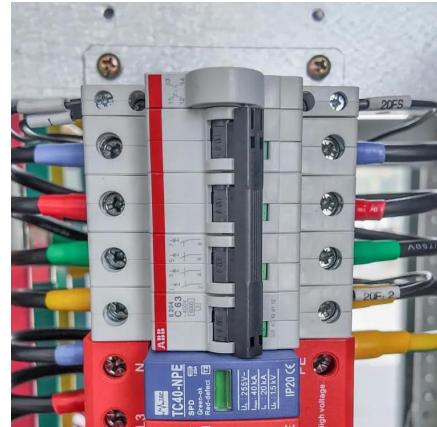
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## Large-scale energy storage business

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## Japan solar energy storage

The government is also reforming its battery energy storage system (BESS) regulations, with batteries set to play an important role in maximizing renewable energy supply and avoiding ...

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