

# **Japan 125mm energy storage project**





## Overview

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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.

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.

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.

Why are Japan and Kyushu so attractive for battery projects?

"Tohoku and Kyushu regions have a lot of renewables, which makes these regions very attractive for battery projects, and that's why there is a lot of contracted and considered projects there already," said Uranulzii Batbayar, a Tokyo-based analyst with Rystad Energy.

How much battery power does Japan have?



As of March, Japan had 0.23 GW of grid-connected BESS, according to METI. By comparison, China has 75 GW and the U.S. has installed nearly 26 GW of battery storage capacity, according to the Energy Institute.



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### **Tesla Megapacks Chosen for 548 MWh Energy Storage Project in Japan**

This week, Tesla plans to supply 142 Megapack units to support a 548 MWh storage project in Japan, set to become one of the country's largest energy storage facilities. ...

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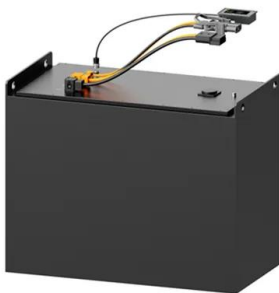
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THE RENEWABLE ENERGY TRANSITION AND SOLVING THE STORAGE PROBLEM: A LOOK AT JAPAN The rapid growth of renewable energy in Japan raises new challenges regarding ...

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### **Japan: Eku begins first BESS project, Gore Street raises funding**

Eku Energy has begun its first battery storage project in Japan, while Gore Street Capital has raised funding for the country's first energy storage-dedicated fund.



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### **Japan Incentivizes Battery Storage Projects Amid Growing Demand**

Noting the demand case and ever-growing renewables curtailment numbers nationwide, more and more firms are tapping into Japan's battery storage opportunities. We ...

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## Japan Energy Storage Projects: Powering a Sustainable Future ...

That's Japan in a nutshell, and energy storage has become its not-so-secret weapon to balance renewable energy adoption with grid stability. The government's GX ...

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114KWh ESS



## [Energy Storage Platform Backed by Stonepeak and CHC...](#)

NEW YORK & TOKYO, April 29, 2025--The energy storage platform jointly established by Stonepeak and CHC (the "Platform") today announced that it has secured 20-year fixed ...

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## 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 ...

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