



## Japan's energy storage power generation

Japan's energy policies aim for increased zero-carbon electricity. According to Japan's 6th Strategic Energy Plan, battery storage will be increased as a distributed source of electricity closer to end users and within microgrids. This new policy calls for an increase in energy storage capacity. Japan: Strong fundamentals for energy storage

"Energy storage is expected to play a critical role in stabilising the grid and integrating more renewable energy sources into the power mix." The 7th Strategic Energy Plan

Since the previous revision of the Strategic Energy Plan, the energy situation surrounding Japan has changed significantly as described below. In developing and implementing energy policy, Japan Energy Storage Policies and Market Overview

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.

Japan's Energy Grid Fortified by \$400M Battery Storage Investment

GSSG Chikuden secures a \$400 million investment from Vision Ridge Partners to develop utility-scale battery storage across Japan. This strategic move aims to fortify the nation's grid, integrate more renewable energy, and support Japan's Energy Transition: The Interplay of Renewables.

While Japan remains committed to decarbonizing its energy sector, any shortfalls in the nuclear and renewable sectors will elevate the role of LNG as a means of balancing energy supply.

TRENDS Research & Advisory

By reducing dependence on critical mineral imports, Japan is enhancing its energy security and diversifying its battery supply chain, which could reshape global energy storage dynamics. This strategic shift is part of Japan's clean energy transition.

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 track the global energy storage market.

THE RENEWABLE ENERGY TRANSITION AND SOLVING IT

Current Japanese laws and regulations do not adequately deal with energy storage, in particular the key question of whether energy storage systems should be regulated as a "generator" or "load".

How Japan is Driving BESS Investment

As renewable energy continues to increase its share in the power generation mix, the role of energy storage will only become more vital in ensuring the success of Japan's clean energy transition.

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