

ContainerPower Energy Solutions

Japan s container energy storage project requirements



Overview

How important is battery energy storage in Japan?

Battery energy storage systems (" BESS ") are playing an increasingly important role in the transition towards net zero. However, the regulations for BESS in Japan were generally perceived as requiring further clarification and development to promote this industry.

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.

What are the requirements for a battery project in Tokyo?

These are the Ministry of Economy, Trade, and Industry (METI) and the Tokyo prefectural subsidies. There are a series of requirements to be eligible: projects must have a minimum capacity of 1 MW, the battery must be able to participate in various markets, and the battery must be directly connected to the grid. The Market for Energy Storage.

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 market?

In the commercial space, Japan's battery storage market was valued at USD 593.2 million in 2023 and is projected to reach USD 4.15 billion by 2030. While commercial installations currently dominate revenues, industrial adoption is

expected to scale faster. Utility-scale storage is also gaining ground.

Does Japan have a capex subsidy scheme for grid-scale battery developers?

Increased generation of renewables requires various forms of energy storage to manage the issues associated with intermittency. Japan has, therefore, introduced two CAPEX subsidy schemes for grid-scale battery developers, excluding co-located projects.

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