

SolarInnovate Energy Solutions

BESS energy storage equipment for Japanese office buildings



Overview

How much does a Bess cost in Japan?

The BESS will more than double Japan's utility-scale lithium-ion battery capacity, and increase national energy storage capacity in megawatt hours by 220%. To be developed at a cost of 91 billion yen (USD 600 million) over a six-year period, construction on the BESS is expected to begin in 2026.

How much electricity can a Bess store?

Once live the BESS will be capable of storing enough electricity to power approximately 63,000 households for four hours ¹. Project financing has been arranged by MUFG Bank representing the first battery storage project they have arranged finance for in Japan.

How much does a Bess project cost?

To be developed at a cost of 91 billion yen (USD 600 million) over a six-year period, construction on the BESS is expected to begin in 2026. The planned project does not require any specific financial commitment from Gurin Energy investor Infratil Ltd.

Who owns the battery storage facility in Japan?

Project financing has been arranged by MUFG Bank representing the first battery storage project they have arranged finance for in Japan. Under the offtake agreement, Eku Energy will own the BESS while Tokyo Gas will own 100% of its operating rights for 20 years, with Eku Energy responsible for the ongoing maintenance of the facility.

Does Japan need battery energy storage?

A Growing Need for Energy Storage The increasing generation of renewables on the Japanese grid has led to various support policies and CAPEX subsidy schemes to support the deployment of grid-scale Battery Energy Storage (BESS).

Is Gurn energy planning a Bess project in Fukushima or Tochigi?

The country aims to achieve 36-38% renewable energy in its energy mix by 2030, supported by 10GW of energy storage by 2030. Gurīn Energy is considering a number of locations and conducting an assessment to finalise a site for BESS development in either Fukushima or Tochigi prefecture.

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ESS



Empowering Office Buildings with Residential BESS: A Smart ...

Feb 26, 2025 · Conclusion Residential BESS is a smart, sustainable solution for office buildings looking to improve energy efficiency, reduce costs, and enhance overall sustainability. By ...

What are the Essential Site Requirements for Battery Energy Storage

Nov 19, 2024 · Given the scale of energy storage systems and the value of the equipment involved, security is another top concern for BESS installations. These systems are often ...



Electrical characteristics and economic study of PV-BESS ...

Mar 1, 2025 · Currently, both domestic and international researchers have conducted extensive studies on the integration of photovoltaic (PV) systems with energy storage. Zhao et al. [7], to ...



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