



BUHLE POWER

Japan Energy Storage Power Station





Overview

How big is Japan's energy storage capacity?

Global energy storage capacity was estimated to have reached 36,735MW by the end of 2022 and is forecasted to grow to 353,880MW by 2030. Japan had 1,671MW of capacity in 2022 and this is expected to rise to 10,074MW by 2030. Listed below are the five largest energy storage projects by capacity in Japan, according to GlobalData's power database.

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.

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.

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.



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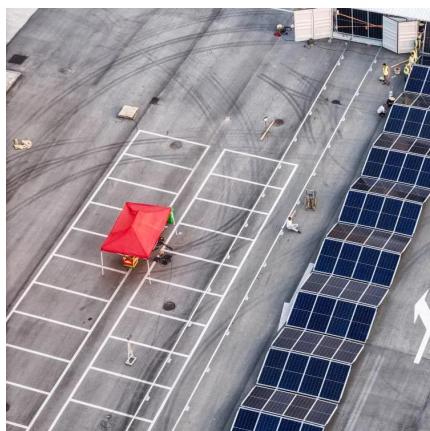


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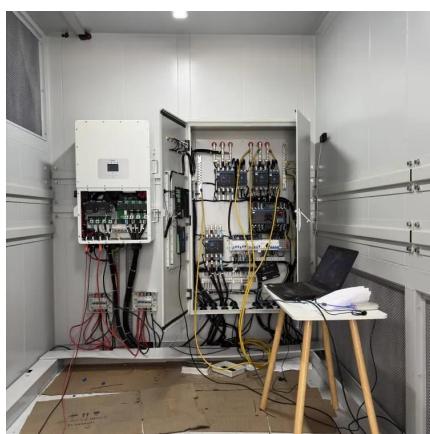
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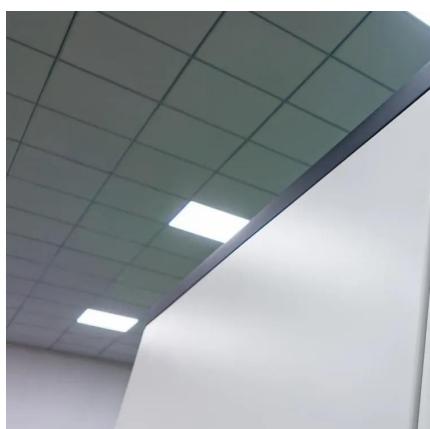
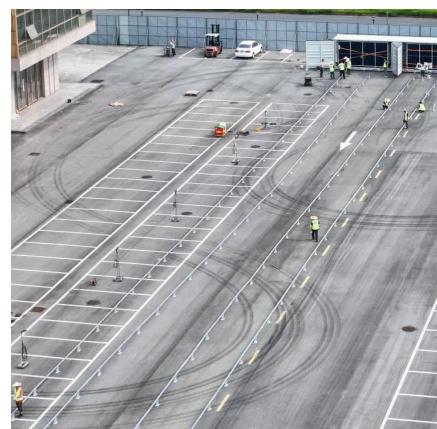


Top five energy storage projects in Japan

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Okinawa energy storage power station in japan

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the world's first pumped-storage facility to use
seawater for storing energy. The power station
was ...



Top five energy storage projects in Japan

GS Yuasa-Kita Toyotomi Substation - Battery
Energy Storage SystemMinami-Soma Substation
- BessNishi-Sendai Substation - BessAquila
Capital Tomakomai Solar PV Park - Battery
Energy Storage SystemRenova-Himeji Battery
Energy Storage SystemThe Minami-Soma
Substation - BESS is a 40,000kW lithium-ion
battery energy storage project located in
Minamisoma, Fukushima, Japan. The rated
storage capacity of the project is 40,000kWh.
The electro-chemical battery storage project



uses lithium-ion battery storage technology. The project was announced in 2015 and will be commissioned in 2016. See more on power-technology InfoLink Consulting

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[Report: Energy Storage Landscape in Japan , EU-Japan Centre](#)

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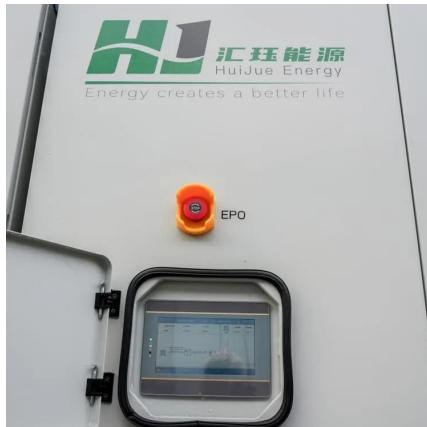
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Japan energy storage industry base

The Government of Japan formulates the "Strategic Energy Plan" to show the direction of Japan's energy policy. It is reviewed at least every 3 years in view of the latest energy situations at ...

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