

Is Japan a leader in lithium-ion battery manufacturing?

Among the global leaders in battery technology, Japan stands out as a powerhouse in lithium-ion battery manufacturing, renowned for its innovation, reliability, and quality. As we step into 2024, let's delve into the heart of Japan's lithium-ion battery industry and explore the top manufacturers leading the charge.

Where are lithium-ion batteries made in Japan?

Osaka, known as Japan's industrial powerhouse, is home to several lithium-ion battery production facilities, benefiting from the region's skilled workforce and robust infrastructure. Nagoya, another industrial hub, plays a pivotal role in the battery supply chain, with a focus on advanced manufacturing processes and technology integration.

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.

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.

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.

Will Saft supply a battery energy storage system in Fukushima?

Download the Press Release Tokyo, 12 June 2025 - Saft, a subsidiary of TotalEnergies, has been selected by leading Asian renewable energy developer Gurin Energy to supply a battery energy storage system (BESS) for the latter's major energy storage project being developed in Fukushima, Japan.

The company, ??????????, offers a large lithium-ion battery storage system called "Power Storer X," which ensures a stable power supply during ...

TOKYO -- Foreign companies are piling into battery energy storage in Japan as they seek to gain an

early-mover advantage in a market they expect to grow along with the use ...

Image: Sumitomo Electric Sumitomo Electric has inaugurated a vanadium redox flow battery (VRFB) system at a community solar microgrid in southern Japan. A ceremony ...

Lithium-ion batteries (LiBs) have long dominated energy storage, but their heavy reliance on materials like lithium and cobalt -- sometimes sourced through fragile and ethically ...

Saft has been selected to supply a fully integrated lithium-ion Battery Energy Storage Systems (BESS) to Gurin Energy's project in Japan The site will provide over 1 GWh ...

The Japan energy storage system market can be segmented by type into batteries, pumped-storage hydroelectricity (PSH), thermal energy storage (TES), flywheel ...

Tokyo, 12 June 2025 - Saft, a subsidiary of TotalEnergies, has been selected by leading Asian renewable energy developer Gurin Energy to supply a battery energy storage system (BESS) ...

Idemitsu Kosan, Japan's biggest petroleum producer, has launched an energy storage business and announced its first lithium battery project. The company is in the joint venture (JV) Himeji ...

Sodium-sulfur (NAS) battery storage manufacturer NGK Insulators has formed new partnerships in Japan aimed at both the distributed and utility-scale segments of the ...