

Price of Japanese household energy storage power supply





Overview

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.

What is Japan's primary energy supply?

In fiscal 2016, the domestic supply of primary energy in Japan was 19,836 petajoules, down 0.9 percent from the previous fiscal year. Its breakdown was: 39.7 percent in petroleum, 25.4 percent in coal, 23.8 percent in natural gas, 3.3 percent in hydro power, and 0.8 percent in nuclear power.

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.



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Additionally, frequent natural disasters have increased interest in backup power solutions. Furthermore, energy security concerns, household preparedness, and government-backed ...

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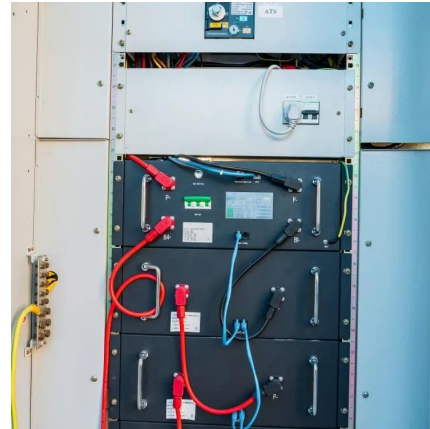
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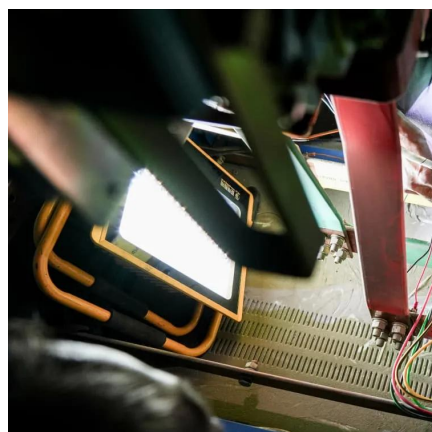
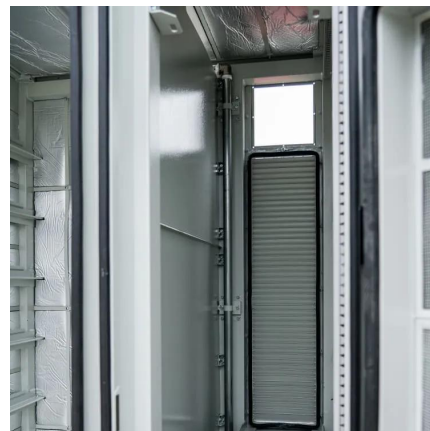
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