



FTMRS SOLAR

Research station uses 25kW Japanese photovoltaic energy storage container





Overview

What energy storage technology does Japan use?

In terms of energy storage technology, Japan is supported primarily by pumped hydro and by NaS and Li-ion battery storage capability, according to the US Department of Energy.⁸⁸ While Japan is the world leader in Nas battery energy storage technology, it is also the world's second manufacturer of Pb-Acid energy storage systems.

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.

How big is Japan's battery market?

According to National Policy Unit estimates, Japan's total storage battery market size is ¥930 Billion (according to 2011 figures).⁹⁰ In terms of energy storage usage, Japan's battery-based energy storage market is growing aggressively.

Does Japan have a large-scale energy storage infrastructure?

Figure 16, is a snapshot of the interactive map of Japan's large-scale energy storage geography, as well as its smart-grid and smart-city landscape. Overall, the map demonstrates that Japan has a visible overlap between its smart-grid infrastructure and the country's energy storage sites.



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