Japan All-vanadium Liquid Flow Energy Storage Project

Which redox flow battery is subsidized by Japan's government?

Japan's Sumitomo Electricis building the first redox flow battery to be approved for government subsidy in the country. The 2 MW/8 MWh facility,which is under construction on the island of Kyushu,will be subsidized under Japan's FY2024 Renewable Energy Expansion and Grid-Scale Energy Storage System Support Program.

Where is Sumitomo Electric launching a long-duration energy storage project?

In December,the company announced the start of commercial operations at a 1MW long-duration energy storage (LDES) project in Niigata prefecture,further north of the coast of the Sea of Japan. At the time of the announcement,Sumitomo Electric said it had reached a total installed capacity of 50MW/176MWh of VRFBs across Japan.

Does Sumitomo have a solar energy storage system?

Sumitomo Electric Industries, Ltd. is pleased to announce that its vanadium redox flow battery (hereinafter "RF battery*1"), together with its energy management system sEMSA(TM),*2 has been adopted as the energy storage system for the "Kurokiyama Solar Power Plant," which was developed by Minamikyushu City, Kagoshima Prefecture.

What is Japan's energy subsidy scheme?

The subsidy regime,which backs utility-scale storage and water electrolysis,was introduced by Japan's Ministry of Economy,Trade,and Industry and the Agency for Natural Resources and Energy. The battery will be installed for oil distributor Shin-Idemitsu Co. Ltd. and is expected to be operational in October 2026.

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The 100kW /380kWh all-vanadium liquid flow battery energy storage system has been successfully completed by Shanghai Electric (Anhui) Energy Storage Technology Co., Ltd. After the ...

The all-vanadium liquid flow industrial park project is taking shape in the Baotou city in the Inner Mongolia autonomous region of China, backed by a CNY 11.5 billion ($1.63 billion) investment. ... the ...

With the completion of this project, Sumitomo Electric"s Vanadium Redox Flow Battery systems have reached a total installed capacity of 50 MW and 176 MWh, contributing to energy stability and ...

Sumitomo Electric has followed up the US launch of its newest vanadium redox flow battery (VRFB) technology, announcing a deal in Japan.

The two sides conducted in-depth exchanges on the core technology design of the vanadium liquid flow energy storage system and the future cooperation path between the two parties. ...

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The energy industry needs efficient, long-duration, and scalable solutions to maintain grid stability and support the adoption of renewables. Japan has developed a new energy storage ...

Recently, Shanghai Electric signed a 2MW/8MWh all-vanadium liquid flow energy storage project contract with Japanese company EF. This project will contribute to demand management and ...

This project will be the first grid-connected energy storage project of Shanghai Electric Energy Storage in the Japanese market. It is also the first MW-level vanadium flow battery energy ...

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