



Funafu Vanadium Battery Energy Storage Project





Overview

Located in the Maila Industrial Circular Economy Demonstration Park, Yongding Town, Yongren County, the project spans 193.44 acres and is positioned as Yunnan's largest VFB energy storage installation, with a total planned scale of 300MW/1,200MWh, making it among the.

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Sumitomo Electric is pleased to introduce its advanced vanadium redox flow battery (VRFB) at Energy Storage North America (ESNA), held at the San Diego Convention Center from February 25–27, 2025. This next-generation energy storage system is designed to enhance large-scale energy storage with.

Vanadium Redox Flow Batteries (VRFBs) have emerged as a promising long-duration energy storage solution, offering exceptional recyclability and serving as an environmentally friendly battery alternative in the clean energy transition. VRFBs stand out in the energy storage sector due to their unique.

Sumitomo Electric has achieved a remarkable milestone, with total installations of vanadium redox flow batteries exceeding 190MWh worldwide. Note: The listed installations include both completed and ongoing projects. Discover how our advanced technology can help optimize your energy systems for.

As renewable energy adoption continues to grow, so does the demand for reliable, long-duration energy storage solutions. Vanadium Redox Flow Batteries (VRFBs) have become a go-to technology for storing renewable energy over long periods, and the material you choose for your flow battery can.

China has just brought the world's largest vanadium flow battery energy project online, marking a massive milestone in long-duration grid-scale energy storage. Located in China's Xinjiang autonomous region, the so-called Jimusaer Vanadium Flow Battery Energy Storage Project has officially entered.

A giant solar-plus-vanadium flow battery project in Xinjiang has completed



construction, marking a milestone in China's pursuit of long-duration, utility-scale energy storage. China has completed the main construction works on the world's largest vanadium redox flow battery (VRFB) energy storage.



Funafu Vanadium Battery Energy Storage Project



China flips on world's largest vanadium flow battery beside 1GW ...

The Jimusaer Vanadium Flow Battery is the first storage project in the world to reach the gigawatt-hour scale using this chemistry, a milestone that shifts vanadium systems from niche ...

The rise of vanadium redox flow batteries: A game-changer in ...

This article explores the role of vanadium redox flow batteries (VRFBs) in energy storage technology. The increasing demand for electricity necessitates a rise in energy ...

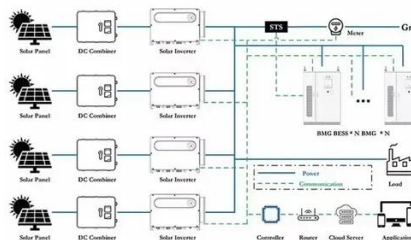


Case Studies , Vanadium Redox Flow Battery , Sumitomo Electric

Explore real-world implementations of our Vanadium Redox Flow Battery systems across different countries and applications. These success stories demonstrate the reliability, performance, ...

[Yongren 300MW/1.200MWh Vanadium Flow Battery Energy ...](#)

Phase 1 of the Yongren vanadium flow battery (VFB) energy storage project has been successfully completed and connected to the grid on 31 December 2025, marking a ...



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[Why Vanadium? The Superior Choice for Large ...](#)

In this article, we'll compare different redox flow battery materials, discuss their pros and cons, and explain why vanadium is the ...



World's first GWh-scale vanadium flow battery goes online in China

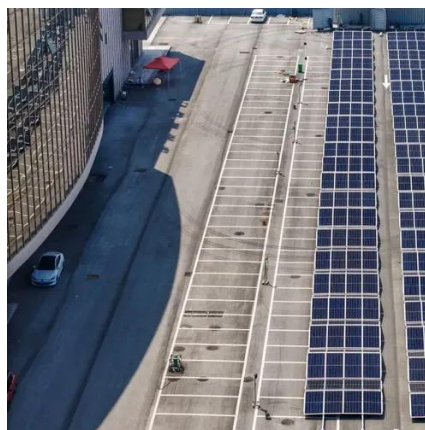
Rongke Power China has just brought the world's largest vanadium flow battery energy project online, marking a massive milestone in long-duration grid-scale energy storage.



[Sumitomo Electric Develops Advanced Vanadium ...](#)



This development builds on Sumitomo Electric's decades ...

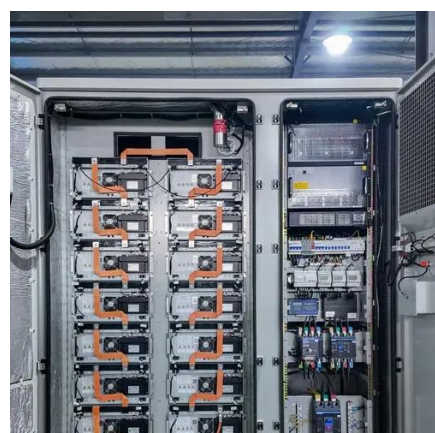


VRFBs: A Sustainable Solution for Long-Duration Energy Storage

Explore how Vanadium Redox Flow Batteries (VRFBs) offer a sustainable, safe, and recyclable alternative to lithium-ion technology. With up to 99.2% recyclability and ...

[Sumitomo Electric Launches Innovative Vanadium ...](#)

Sumitomo Electric is excited to announce the introduction of its advanced vanadium redox flow battery (VRFB) at the Energy Storage ...



[China completes world's largest vanadium flow ...](#)

China has completed the main construction works on the world's largest vanadium redox flow battery (VRFB) energy storage ...

Sumitomo Electric Develops Advanced Vanadium Redox Flow Battery



This development builds on Sumitomo Electric's decades of expertise in vanadium redox flow battery (VRFB) technology, reinforcing its leadership in sustainable energy storage ...



[China completes world's largest vanadium flow battery plant](#)

China has completed the main construction works on the world's largest vanadium redox flow battery (VRFB) energy storage project. The project, backed by China Huaneng ...



The rise of vanadium redox flow batteries: A game-changer in energy storage

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Sumitomo Electric Launches Innovative Vanadium Redox Flow Battery ...

Sumitomo Electric is excited to announce the introduction of its advanced vanadium redox flow battery (VRFB) at the Energy Storage North America (ESNA) event, ...



Why Vanadium? The Superior Choice for Large-Scale Energy Storage



In this article, we'll compare different redox flow battery materials, discuss their pros and cons, and explain why vanadium is the most promising choice for large-scale energy storage.



[VRFBs: A Sustainable Solution for Long-Duration ...](#)

Explore how Vanadium Redox Flow Batteries (VRFBs) offer a sustainable, safe, and recyclable alternative to lithium-ion technology. ...



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