



# The largest vanadium flow battery energy storage power station





## Overview

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On December 5, 2024, Rongke Power (RKP) completed the installation of the world's largest vanadium flow battery . With a capacity of 175 MW and 700 MWh, this innovative energy storage system, located in Ushi, China, sets a new standard in long-duration energy storage solutions.

On December 5, 2024, Rongke Power (RKP) completed the installation of the world's largest vanadium flow battery . With a capacity of 175 MW and 700 MWh, this innovative energy storage system, located in Ushi, China, sets a new standard in long-duration energy storage solutions.

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.

Rongke Power has delivered the Jimusaer Vanadium Flow Battery Energy Storage Project, the world's first vanadium flow battery deployment to reach the gigawatt-hour scale, which is now in operation. The project is also one of the world's largest vanadium flow battery energy storage projects to date.

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.

It has a capacity of 175 MW/700 MWh. On December 5, 2024, Rongke Power (RKP) completed the installation of the world's largest vanadium flow battery . With a capacity of 175 MW and 700 MWh, this innovative energy storage system, located in Ushi, China, sets a new standard in long-duration energy.

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. Image: Image: WeChat, Xinjiang local government From ESS News China has completed the main construction works on the.

Source: Global Flow Battery Energy Storage WeChat, 29 May 2025 The world's first



GWh-scale, fully grid-connected vanadium flow battery energy storage project officially went online on May 28 in Jimsar County, Changji Prefecture, Xinjiang. The 200MW/1GWh vanadium flow battery system, built with the.



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### What's Behind China's Massive New Flow Battery Breakthrough?

China has established itself as a global leader in energy storage technology by completing the world's largest vanadium redox flow battery project. The 175 MW/700 MWh ...

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### [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 ...

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### Rongke Power Completes World's First Grid-Connected GWh-Scale Vanadium

The world's first GWh-scale, fully grid-connected vanadium flow battery energy storage project officially went online on May 28 in Jimsar County, Changji Prefecture, Xinjiang.

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### Rongke Power Delivers the World's First GWh-Scale Vanadium ...

The project is also one of the world's largest vanadium flow battery energy storage projects to date. The project provides a total installed capacity of 200 MW / 1,000 MWh, ...



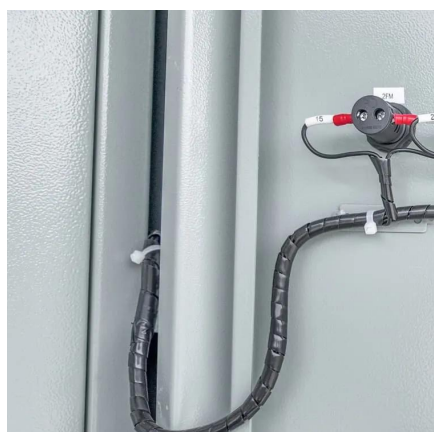
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### [World's largest vanadium flow battery goes online in China](#)

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 ...

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### **It's Big and Long-Lived, and It Won't Catch Fire: The Vanadium ...**

Go Big: This factory produces vanadium redox-flow batteries destined for the world's largest battery site: a 200-megawatt, 800-megawatt-hour storage station in China's ...

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### **World's Largest Flow Battery Energy Storage Station Connected ...**

The 100 MW Dalian Flow Battery Energy Storage Peak-shaving Power Station, with the largest power and capacity in the world so far, was connected to the grid in Dalian, China, on ...

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### [The world's largest vanadium flow battery](#)



## [was completed](#)

On December 5, 2024, Rongke Power (RKP) completed the installation of the world's largest vanadium flow battery . With a capacity of 175 MW and 700 MWh, this innovative energy ...

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

China has switched on a record-breaking vanadium flow battery in Xinjiang, pairing it directly with a 1 gigawatt solar farm to soak up desert sunshine and feed it back into the grid after dark

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## **Rongke Power Delivers the World's First GWh-Scale Vanadium Flow Battery**

The project is also one of the world's largest vanadium flow battery energy storage projects to date. The project provides a total installed capacity of 200 MW / 1,000 MWh, ...

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

World's largest vanadium flow battery goes online in China with 1 GW solar plant The record-breaking battery will boost renewable energy use by over 230 million kWh a year.

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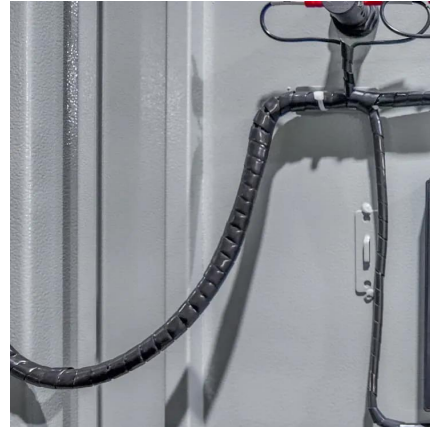
## [China completes world's largest vanadium](#)



## [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 ...

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