

Dublin Ronghe No 1 Liquid Flow Battery





Overview

Where is China's first megawatt-level iron-chromium flow battery energy storage project located?

China's first megawatt-level iron-chromium flow battery energy storage project, located in North China's Inner Mongolia autonomous region, is currently under construction and about to be put into commercial use, said its operator State Power Investment Corp.

How many 'Ronghe 1' batteries are there?

The State Power Investment Corp.-operated project consists of 34 domestically-made "Ronghe 1" battery stacks and four sets of storage tanks, making it the world's largest of its kind, according to a report by China Daily on Thursday.

Can iron-chromium flow batteries be recharged?

A company statement says that iron-chromium flow batteries can be recharged using renewable energy sources like wind and solar energy and discharged during high energy demand. Although pumped-hydro storage is the most widely used technology right now, it cannot fully satisfy China's expanding demand for energy storage, noted the China Daily report.

How many kilowatts can a chromium flow battery store?

Thanks to the chemical characteristics of the iron and chromium ions in the electrolyte, the battery can store 6,000 kilowatt-hours of electricity for six hours. A company statement says that iron-chromium flow batteries can be recharged using renewable energy sources like wind and solar energy and discharged during high energy demand.



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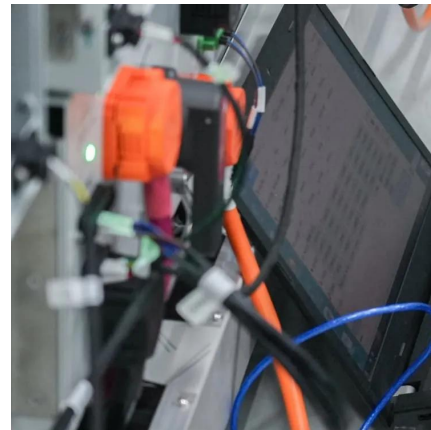


CCTV reports! The world's largest capacity iron-chromium liquid flow

The successful trial operation of the megawatt-level iron-chromium flow battery energy storage demonstration project installed a total of 34 "Ronghe No. 1" battery stacks independently ...

The first mass production line of the world's largest power "ronghe ...

Jan 30, 2022 · The "Ronghe No. 1" iron chromium liquid flow battery stack mass production line with independent intellectual property rights of the state power investment was put into operation.



Market structure , Year-end review of Chinese flow battery ...

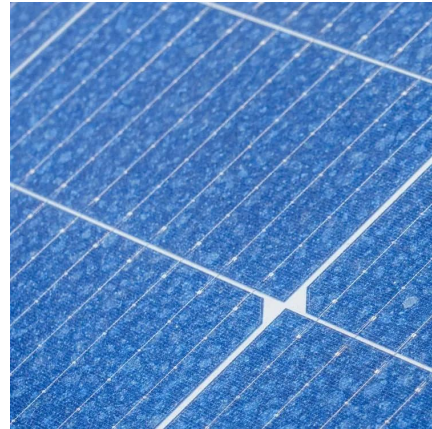
Among them, the 1-megawatt iron-chromium flow battery energy storage system is equipped with 34 "Ronghe No. 1" battery stacks independently developed by State Power Investment ...

State Power Investment: The "Ronghe No. 1" iron-chromium flow battery

Feb 1, 2022 · State Power Investment: The "Ronghe No. 1" iron-chromium flow battery stack mass production line with independent



intellectual property rights is put into production, and ...



[World's largest iron-chromium flow battery ...](#)

Feb 28, 2023 · China's first megawatt iron-chromium flow battery energy storage demonstration project was successfully tested in north China's ...

[World's largest iron-chromium flow battery successfully ...](#)

Feb 28, 2023 · The "Ronghe 1" iron-chromium flow battery stack. (Photo: State Power Investment Corporation Limited) Using the chemical properties of iron and chromium ions in the ...



World's largest iron-chromium flow battery tested in N China

Feb 28, 2023 · China's first megawatt iron-chromium flow battery energy storage demonstration project was successfully tested in north China's Inner Mongolia Autonomous Region on ...



China: 'World's largest' iron-chromium flow ...

Apr 13, 2023 · The State Power Investment Corp.-operated project consists of 34 domestically-made "Ronghe 1" battery stacks and four sets of ...



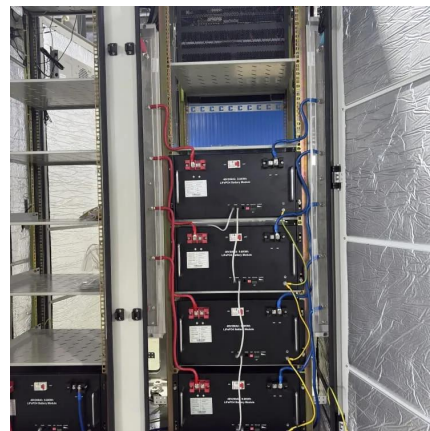
China: 'World's largest' iron-chromium flow battery set for ...

Apr 13, 2023 · The State Power Investment Corp.-operated project consists of 34 domestically-made "Ronghe 1" battery stacks and four sets of storage tanks, making it the world's largest of ...



Research progress and industrialization direction of iron chromium flow

Aug 19, 2025 · In recent years, the iron chromium flow energy storage battery system represented by "Ronghe No.1" has received widespread market attention due to its lower electrolyte cost ...



Annual production of 5,000 units! The first mass production ...

Recently, the mass production line of the "Ronghe No. 1®" iron-chromium liquid flow battery stack with independent intellectual property rights of State Power Investment Corporation was put ...





[New energy-storing tech at forefront of nation's transition](#)

Apr 13, 2023 · China's first megawatt-level iron-chromium flow battery energy storage project, located in North China's Inner Mongolia autonomous region, is currently under construction ...



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