

JH Solar

Sinopec new energy storage



Overview

Utilizing the abundant solar resources in Xinjiang, the Project has an electrolyzed water hydrogen plant with an annual capacity of 20,000 tons, a spherical hydrogen storage tank with a hydrogen storage capacity of 210,000 standard cubic meters, and hydrogen transmission pipelines with a capacity of 28,000 standard cubic meters per hour. What is Sinopec doing in green hydrogen refining?

In the field of green hydrogen refining, Sinopec has been vigorously advancing centralized wind power and photovoltaic development, laying out mega-scale projects integrating renewable energy power generation, hydrogen production, storage, and utilization.

Why is Sinopec launching a green hydrogen plant?

The official operation of the plant, which harnesses solar energy to generate green hydrogen, marks a major stride forward in Sinopec's technological exploration to produce clean hydrogen as it empowers the country to transition to a greener and more sustainable energy system.

How many tons of hydrogen will Sinopec produce a year?

In addition to the Project, Sinopec's green hydrogen project in Ordos, which will produce 30,000 tons annually began construction in February 2023, while the Ulanqab project is now in the planning stage.

What bottlenecks has Sinopec tackled?

Sinopec has tackled multiple bottlenecks, including flexible hydrogen production under the scenario of new energy power fluctuation, and achieved localization of major equipment and core materials.

Will new energy storage be more expensive in 2025?

The NDRC said new energy storage that uses electrochemical means is expected to see further technological advances, with its system cost to be

further lowered by more than 30 percent in 2025 compared to the level at the end of 2020.

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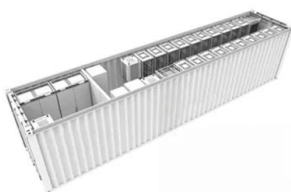


Message from the President

We worked on normalized market value management mechanism, orderly implemented the stock increase for Sinopec Group and share repurchase of the Sinopec Corp. 9 controlling listed ...

Guaranteeing diversified energy security with cleaner energy

We will speed up the planning and development of a system for new energy sources, and strengthen our systems for energy production, supply, storage, and marketing to ensure ...



2023

COMPANY PROFILE Sinopec Corp.'s H shares were listed in Hong Kong, New York and London exchanges on 18 and 19 October 2000, respectively, and A shares were listed in the Shanghai ...

Sinopec Launches China's First Megaton Scale Carbon Capture

...

Sinopec initiated China's first megaton carbon capture, utilization and storage (CCUS) project -

the Sinopec Qilu-Shengli Oilfield CCUS project.
The Project, expected to be put into production
...



China's First Seawater Floating PV Project Completed and ...

Sinopec has launched the "10,000 Stations Bathed in Light" initiative, planning to build approximately 10,000 PV-powered sites by 2027 to promote deep integration between ...

Key Projects Construction

Two oil and gas field surface engineering projects, 20 refining units, one new energy facility, and two oil and gas storage and transportation facilities were completed and put into operation. The ...



Sinopec Announces the Launch of Carbon Footprint Alliance to ...

Highlighting Sinopec's green strategy and its contributions to global low-carbon development targets in recent years, Wan Tao, Deputy General Manager of Sinopec, noted that the ...

Chinese energy giants Sinopec and CATL to build ...

Sinopec and CATL's partnership builds on an existing relationship in energy stations, storage, and advanced materials, and will expand to build smart energy microgrids featuring solar power, energy ...



International Operations

In 2023, Sinopec acted in accordance with the strategies as accelerating international energy cooperation, contributed to the high quality energy cooperation along the Belt & Road, improved our global footprints, and ...

Sinopec's Green Hydrogen Ambitions: Five-Year ...

Green 'is the ultimate goal' Spearheaded by Sinopec New Star, the company's new energy outfit, these projects will target 500,000 tonnes of green hydrogen production a year when completed in five years.



New Energy Development and Utilization

Sinopec remained the world's largest operator of hydrogen refueling stations, with 142 stations (14 new in 2024), including its first overseas hydrogen station, Hong Kong Au Tau Integrated ...

New energy storage to see large-scale development by 2025

China aims to further develop its new energy storage capacity, which is expected to advance from the initial stage of commercialization to large-scale development by 2025, with ...



China new energy storage tops 100 GW as lithium overtakes ...

2 ???· China's new energy storage capacity exceeded 100 GW by June 2025, with total installations reaching 164.3 GW, surpassing pumped hydro additions amid accelerating ...

Addressing climate change

Sinopec has implemented the "energy efficiency improvement" plan, and improved the energy management system. By means of energy conservation in management, technology, new ...



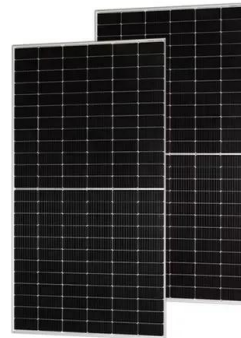
Sinopec and CATL Join Forces to Build 10,000 ...

BEIJING, April 7, 2025 /PRNewswire/ -- China Petroleum & Chemical Corporation ("Sinopec", HKG: 0386), one of China's largest integrated energy and chemical companies, and CATL (Contemporary

Sinopec Launches the World's Largest Green Hydrogen-Coal

...

"The Project is of great significance to guaranteeing China's energy security, building new energy systems and advancing green energy and low-carbon development in Inner Mongolia, leading ...



China's First 10,000-ton Photovoltaic Green Hydrogen

In the field of green hydrogen refining, Sinopec has been vigorously advancing centralized wind power and photovoltaic development, laying out mega-scale projects integrating renewable ...

Clean energy ensures safe supply

Clean energy ensures safe supply We will thoroughly advance the energy revolution. Greater efforts will be made to explore and develop petroleum and natural gas, discover more ...



HONLE NEW ENERGY

This project, implemented at a Sinopec oilfield in China, integrates a 250kW/522kWh industrial energy storage system with solar PV and diesel generators to form a microgrid. The system ...

Sinopec Joins Consortium in Chinese Push on ...

The Central Enterprise Green Hydrogen Energy Production, Storage, and Transportation Innovation Consortium was launched in Beijing on August 21, guided by the State-owned Assets ...



Sinopec Releases China Energy Outlook 2060, Anchoring New ...

This is Sinopec's first publicly released research findings of their medium and long-term energy outlook, providing a new perspective for the scientific planning of transformation and ...

The Hydrogen Stream: China starts world's biggest ...

China's Sinopec has switched on the world's largest solar-to-hydrogen project in Xinjiang, while India has unveiled a new plan to incentivize green hydrogen and electrolyzer production.



CDHT allies with Sinopec Green Energy to drive ...

New energy storage and utilization feature heavily in the new partnership, catalyzing green developments in southwestern China. On May 21, the Chengdu Hi-tech Industrial Development Zone (CDHT) inked ...

Accelerating green hydrogen development and refining business

Through this initiative, Sinopec has successfully set a new benchmark for deep decarbonization in China's refining and chemical industry, providing a compelling demonstration for large-scale ...



[China Sinopec](#)

With promoting low-carbon transformation of global energy as its goal, Sinopec is committed to leading the future of energy and chemical industry with innovation, shouldering its responsibilities to refuel for a better life, ...

Sinopec Energy Storage and Battery Initiatives for 2025: Key ...

Explore Sinopec's ambitious green transformation: investing in batteries, hydrogen, and partnerships for a sustainable energy future. Learn about their key initiatives.



Sinopec Energy Storage Policy: Powering China's Green ...

Imagine a world where gas stations double as solar farms, hydrogen fuels power grids, and oil giants morph into clean energy pioneers. That's exactly what Sinopec, China's ...

ASIACHEM Consulting

It will drive the hydrogen energy industry chain cluster with renewable energy - green hydrogen power, empower green logistics with hydrogen energy technology, and ...



Leading the New Global Trend Toward Carbon Neutrality and

...

In response, Sinopec has kept key directives firmly in mind, forging ahead with gratitude. The Company has since worked to deliver high-quality CCUS outcomes through practical efforts,

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Contact Us

For catalog requests, pricing, or partnerships, please visit:
<https://www.apartamenty-teneryfa.com.pl>