

SolarTech Power Solutions

New energy storage large-scale transactions



Overview

In recent weeks, Chinese energy storage companies have made remarkable progress in global markets, winning a series of large-scale overseas contracts across diverse application scenarios including solar-plus-storage, grid-side, user-side, and data center projects, showcasing the strong international competitiveness of China's energy storage technology. Why are energy storage technologies important?

They are also strategically important for international competition. KPMG China and the Electric Transportation & Energy Storage Association of the China Electricity Council ('CEC') released the New Energy Storage Technologies Empower Energy Transition report at the 2023 China International Energy Storage Conference.

How big is China's new energy storage fleet?

As of June 2025, China's new energy storage fleet had surpassed 100 GW, overtaking the pumped hydro additions for the first time, according to data from the China Energy Storage Alliance (CNESA). The new action plan, grounded in the nation's dual carbon goals, aims to grow the national new energy storage fleet to 180 GW by 2027.

What is the new energy storage action plan?

The new action plan, grounded in the nation's dual carbon goals, aims to grow the national new energy storage fleet to 180 GW by 2027. It responds to the urgent need for flexible energy regulation amid rapid renewable energy expansion.

Is China entering a new era of energy storage demand?

Mainland China accounts for most of the global energy storage demand, driven in the near term by regional requirements for new utility-scale wind and solar projects to include energy storage capacity. However, the Chinese market is entering an era of change.

What are the market clearing frameworks of energy storage resources?

Additionally, three of market clearing overall frameworks of energy storage resources participating in electric energy market, frequency modulation auxiliary service market and capacity market have been established.

How many energy storage technologies are there?

Furthermore, the functional technical characteristics, application scenarios, and economy of six energy storage technologies have been compared and analyzed.

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