

SolarTech Power Solutions

China-Europe Large Energy Storage Vehicle



Overview

What is China's energy storage policy & regulatory roadmap?

The policy and regulatory roadmap is aimed at pushing China's installed base of large-scale energy storage - primarily lithium-ion battery energy storage systems (BESS) - to 180GW by the end of 2027.

What is China's Energy Storage plan?

The plan's target represents a significant scaling up, even for the world's leading adopter and producer of energy storage technologies. According to official National Energy Administration data from its recent 'China new energy storage development report 2025,' the country's installed base at the end of 2024 totalled 73.8GW/168GWh.

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.

Should China invest in Europe's battery and EV supply chains?

Chinese firms have also become major investors in Europe's battery and EV supply chains. This influx of Chinese foreign direct investment presents Europe with a strategic dilemma. There are clear short-term benefits: Chinese investment expands production capacity, sustains regional jobs and accelerates the decarbonisation timeline.

How big is China's Energy Storage Base?

According to official National Energy Administration data from its recent 'China new energy storage development report 2025,' the country's installed base at the end of 2024 totalled 73.8GW/168GWh. The China Energy Storage Alliance (CNESA) trade group said this represented a 130% year-on-year

increase and about 40% of the global total.

Are Chinese battery and EV companies lagging in Europe?

Chinese battery and EV firms lead in areas in which Europe is lagging: cost optimisation, manufacturing scale and energy density. Their presence in European markets can be beneficial in pushing European manufacturers closer to the innovation frontier.

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