

China Mobile energy storage site inverter on the roof





Overview

How big is China's rooftop solar system?

This was China's largest- ever first-quarter addition. Rooftop solar systems contributed around 36 GW, which is 60% of the total capacity added. This increase in rooftop installations follows new policy guidelines announced in October 2024 by the National Energy Administration (NEA). These guidelines took effect in May 2025.

Can a warehouse be converted into a rooftop solar site?

In Anhui, an old industrial warehouse has been converted into a 5 MW rooftop solar site. This site now powers cold storage units and feeds extra power back to the grid. China added 60 gigawatts (GW) of new solar power capacity in the first three months of 2025.

Is CR power a grid-forming energy storage project?

The CR Power* 25 MW/100 MWh grid-forming energy storage project has successfully passed unit, site, and system-level tests, including high/low voltage disturbance, phase angle jump, low-frequency oscillation, damping performance, and grid following/grid-forming mode switching tests, making it the world's first of its kind.

How many solar panels are installed in China?

A recent report by Rystad energy shows that most rooftop systems are being installed for commercial and industrial (C&I) use. The total installed capacity of distributed solar in China is expected to reach 130 GW by the end of the year. This will include about 92 GW from C&I projects and 38 GW from residential users.



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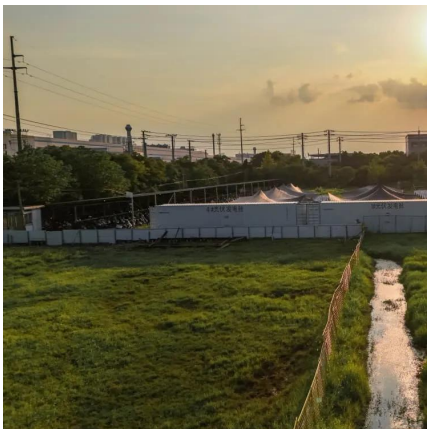


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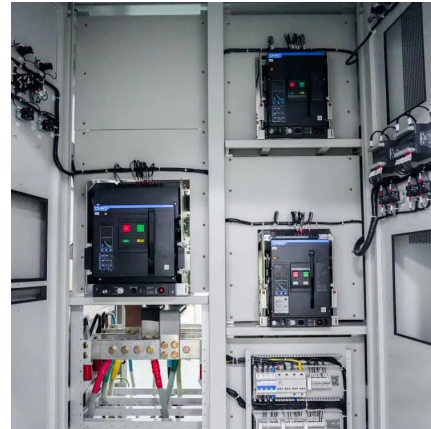


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