

On-site Energy Solar Power Prices and China





Overview

Solar and storage prices will rise 9% in Q4 2025 as China cuts production and ends export tax rebates, Wood Mackenzie says. How does China's new energy sector work?

China highly values the new energy sector, such as wind and solar power, rolling out an array of favorable policies spanning pricing, finance and industry. The supportive measures, including a fixed pricing mechanism, have led to exponential growth in renewable energy capacity.

How much does solar power cost in China?

The costs of wind and solar power generation in China have dropped significantly compared to early development stages, now ranging between 0.2 yuan (about 3 U.S. cents) and 0.3 yuan per kilowatt-hour. Meanwhile, local electricity markets have matured, with improved regulations facilitating broader participation.

How many solar PV installations are there in China this year?

"Solar PV installations have maintained a quite high pace this year, and we had seen an average of over 18 GW of monthly installations this year in China till October," said Zhu Yicong, vice-president of renewables and power research at global consultancy Rystad Energy.

How will China's new energy pricing policy affect the future?

"This new pricing policy will significantly accelerate the construction of a modern power system and ensure the sustainable development of renewable energy," said Zhang Dayong, deputy secretary-general of the China Association for the Promotion of Industrial Development.



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