



MODERNIZATION SOLAR

Solar Cell On-site Energy 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 much does solar PV cost in China?

Province-level solar PV supply curves in China were constructed. PV technical potential was estimated around 39.6 PWh to 442 PWh. The uncertainty of PV technical potential was quantified. The cost of PV ranges from 0.12 CNY/kWh to 7.93 CNY/kWh. China's PV economic potential far exceeds its projected electricity demand.

Does China have a solar energy potential?

Therefore, we applied an integrated framework to simulate China's solar photovoltaic (PV) technical potential, and incorporated potential uncertainty stemming from climate change, land use dynamics, and technological advancements. In addition, we constructed the solar energy supply curve for each province and calculated the economic potential.

What is the price of a solar module in China?

Spot prices for modules peaked at CNY 0.73 (\$0.10)/W, and is averaging around CNY 0.70 (\$0.096)/W. "Demand in other regions is stable, while traders in markets like Pakistan have increased imports, fearing that China's rush to install will constrain global supply," points out TrendForce.

How much solar power will China install this year?

With the world's largest, most complete new-energy industry chain, China is expected to install 230 to 260 gigawatts of solar capacity this year, topping the record of 217 GW set last year, according to the China Photovoltaic Industry Association.



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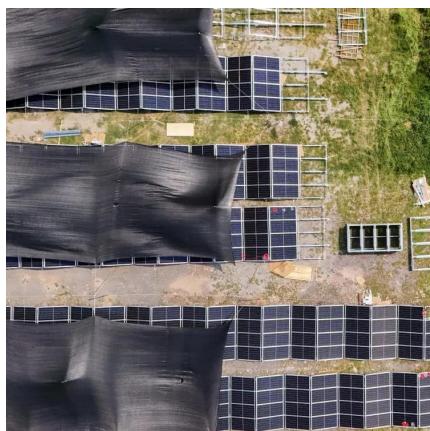
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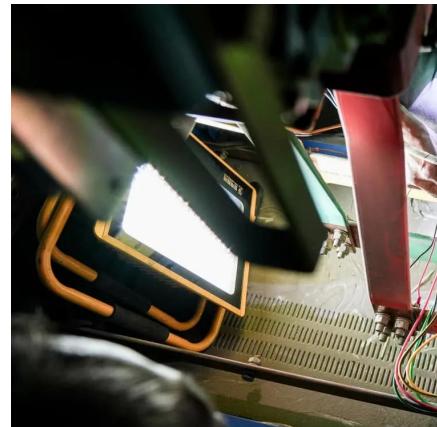
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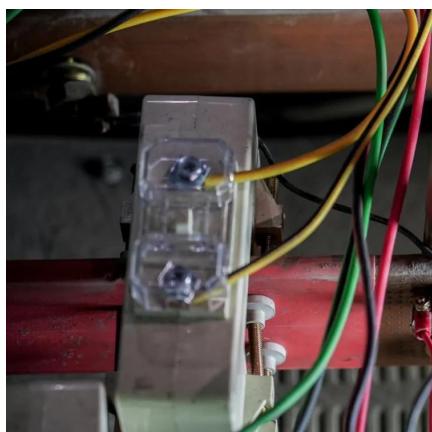


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Solar price trend

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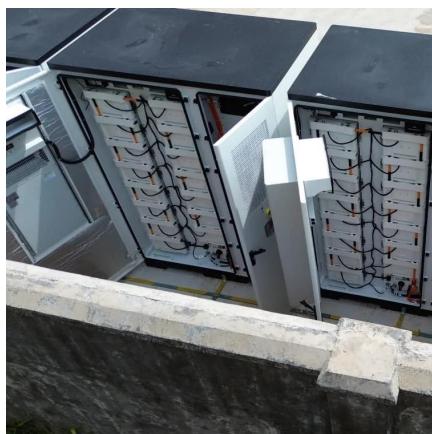
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