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Title: China's solar power generation rate of return

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China is the dominant force in next-generation energy technologies today. It's pouring hundreds of billions of dollars into putting renewable sources ...

Nearly half of the distributed solar added in 2023 was installed on residential rooftops, largely driven by China's "whole county solar" model. ...

China's PV power generation reached 834.1 TWh, a 44% year-on-year increase, representing 8% of total electricity consumption and achieving a national utilisation rate of 96.8%.

Solar surged 64% in H1 2025 with 380 GW added worldwide, led by China's record pace, keeping 2025 on track for new highs.

To fill these gaps, this study developed a solar PV power generation calculation model that uses high-resolution spatial-temporal geographical and meteorological data to simulate the technical ...

China's installations of wind and solar in May are enough to generate as much electricity as Poland, as the world's second-biggest economy ...

China achieved a new milestone in its energy transition, with wind and solar power together generating a quarter (26%) of the country's electricity in April 2025, the highest monthly ...

Solar capacity additions set new records due to a rush before a June policy change, with 212 gigawatts (GW) added in the first half of the year. This ...

Power reforms introduced earlier this year removed a guaranteed rate of return for renewable energy projects, forcing projects built from June to ...

