

Solar energy will surpass thermal power generation

Modern solar thermal power plants provide bulk power equivalent to the output from conventional power stations and can be built in a matter of months. The aim of this blueprint is to push further forward the ...

China is set to see solar capacity overtake coal for the first time this year, with wind and solar expected to make up about half of total installed power capacity by end-2026.

The world's wind and solar farms have generated more electricity than coal plants for the first time this year, marking a turning point for the global power system, according to research.

We find that, due to technological trajectories set in motion by past policy, a global irreversible solar tipping point may have passed where solar energy gradually comes to dominate ...

New Delhi: Solar and wind power outpaced the growth in global electricity demand in the first half of 2025, leading to a marginal decline in both coal and gas generation, according to new ...

China's installed solar power capacity is projected to surpass coal-fired capacity for the first time this year, marking a major milestone in the country's energy transition and reinforcing its status ...

Global electricity generation from solar will quadruple by 2030 and help to push coal power into reverse, according to Carbon Brief analysis of data from the International Energy Agency ...

The International Energy Agency's latest Electricity 2024 report predicts that renewable energy sources will surpass coal in global electricity generation by early 2025, reaching over one-third of the world's ...

Based on current deployment rates, it is likely that solar will surpass wind as the third-largest source of electricity. And solar may soon topple coal in the number two spot.

Solar PV is set to become the second largest low-emissions source of electricity generation in the world by 2027, after hydropower. Renewables, collectively, will surpass coal-fired generation in 2025 and ...

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