Solar power generation changes

Solar deployment and electric vehicle (EV) sales broke records in 2023 and 2024. Renewables now dominate new power generation capacity, while new domestic clean energy ...

Energy generation from renewables continued its steady upward trend, as a result of increases in solar generation (and despite a drop in wind and hydro generation).

Growth in utility-scale and distributed solar PV more than doubles, representing nearly 80% of worldwide renewable electricity capacity expansion. Low module costs, relatively efficient permitting processes ...

Solar and wind growth met all new power demand in 2025, pushing fossil generation to stall for the first time since the pandemic.

Solar power Solar and wind power has grown faster than electricity demand this year, report says A new analysis of solar and wind power shows its generation worldwide has outpaced electricity demand ...

Is solar power going to take over the world? The past few years have seen a frankly astounding acceleration in the rate of its deployment, with total generation capacity doubling between ...

Developers added 12 gigawatts (GW) of new utility-scale solar electric generating capacity in the United States during the first half of 2025, and they plan to add another 21 GW in the ...

Almost 70 gigawatts (GW) of new solar generating capacity projects are scheduled to come online in 2026 and 2027, which represents a 49% increase in U.S. solar operating capacity ...

Change in energy generation relative to the previous year, measured in terawatt-hours and using the substitution method.

The rise of "electrotech" - solar, wind, batteries and electrified transport, heating and industry - became the dominant engine of global energy growth, led by China"s emergence as the ...

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Web: https://anaelenaartistapmu.es