

Global solar power generation installed capacity share

Solar accounted for 81% of all new renewable energy capacity added worldwide. While remaining a modest contributor to overall electricity generation for now, solar's share rose to 7% in ...

At the end of 2024, global renewable power capacity amounted to 4 448 GW. Solar, in line with the previous year, accounted for the largest share of the global total, with a capacity of 1 865 GW.

All data and visualizations on Our World in Data rely on data sourced from one or several original data providers. Preparing this original data involves several processing steps.

Executive Summary Global Solar Deployment IEA reported that in 2023, 407-446 GWdc of PV was installed globally, bringing cumulative PV installs to 1.6 TWdc. China continues to dominate the ...

Global solar installations are on track for another record year. In the first six months of 2025, the world added 380 GW of new solar capacity -- 64% higher than during the same period in ...

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 ...

Global solar photovoltaic capacity has grown from around 40 gigawatts in 2010 to approximately 2.2 terawatts in 2024. Only in that last year, installations increased by almost 40 ...

Official statistics by year of solar electricity installed capacity (GW). The values are presented in tables and charts with calculations of changes and shares, and with extensive analytical functionality.

Approximately 70% of newly installed global electricity generating capacity for 2024 came from PV, with record installations in China (278 GW) and the U.S. (38 GW). Global PV installed ...

Each solar facility included in the tracker, as well as each country/area with distributed solar capacities, is linked to a wiki page on the GEM wiki. The most recent release of this data was in February 2026. ...

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