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Title: Solar power generation installed capacity ranking

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What is solar electricity capacity?

Solar electricity capacity includes solar photovoltaic and solar thermal capacity, and distributed solar capacity where available. 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.

How much solar energy does China have in 2024?

The figures come from the Energy Institute's Statistical Review of World Energy 2024 report. China is far outpacing any other country in solar energy expansion, having a total of 609,921 MW of solar capacity installed so far.

Which countries produce the most solar power?

Three of the top countries in terms of total capacity - Germany, Spain, and the UK - were also among the world leaders in percentage of domestic generation from wind and solar at 42.9%, 43.3%, and 35.5%, respectively.

Does China have more solar power than the United States?

China is far outpacing any other country in solar energy expansion, having a total of 609,921 MW of solar capacity installed so far. The difference between China and second-place U.S. is almost four times greater than the difference between the U.S. and 15th-placed United Kingdom.

In 2025, the U.S. continues to be the global leader in installed solar capacity, surpassing previous years with an aggressive push towards renewable energy. The country added over 50 ...

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Cumulative installed solar capacity, measured in gigawatts (GW).

The solar photovoltaic sector continues to attract investors, with investment volumes that eclipse the deals made in other markets, including the wind power and biomass energy sectors.

# Solar power generation installed capacity ranking

China continues to lead the world when it comes to total installed solar PV capacity, reaching 888,000 megawatts of installed capacity as of the end of 2024. Even while making up ...

Solar electricity capacity, million kilowatts, 2022: The average for 2022 based on 189 countries was 5.64 million kilowatts. The highest value was in China: 393.03 million kilowatts and the lowest value was ...

Global renewable energy deployment continued its robust growth in 2024, with solar and wind capacity increasing by a near-record 23% to almost 3 TW. Solar and wind continue to ...

This dashboard ranks countries/areas to their renewable energy power capacity or electricity generation. The data can be further refined based on region, technology or year of interest. [Home](#)> [Data](#)> [View](#) ...

Solar energy capacity is growing rapidly, driving the global transition to renewable energy. This graphic visualizes the top 15 countries by cumulative megawatts of installed ...

In this section, we present statistical data on the solar photovoltaic capacity installed globally and in individual countries over the recent years. Here you can track how much solar PV generating ...

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