



My country s top ten solar power generation rankings

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This list of the Top 10 Solar Power Countries in the world is based on their total solar power capacity in gigawatts (GW) as of 2024. It shows how each country is using sunlight to power ...

Chart: Which 10 countries generated the most solar power in 2023? China was the top solar power producer last year, but it's not the only nation that saw a big leap in solar production.

China, the US, and India dominate solar power in 2025, producing most of the world's clean electricity from sunlight. These ten nations collectively account for more than two-thirds of ...

Top 10 nations with the most solar power installed in 2023 By the end of 2023, 3,869,705 MW of renewable energy were generated worldwide, of which 1,418,969 MW, or 36.67%, were ...

The worldwide growth of photovoltaics is extremely dynamic and varies strongly by country. In April 2022, the total global solar power capacity reached 1 TW, increasing to 2 TW in 2024. The top ...

Data and analysis including a list of solar power in every country in the world, countries with the most solar power, and countries that generate the highest percentage of their electricity from solar power.

OverviewGlobal use figuresAfricaAsiaEuropeNorth AmericaOceaniaSouth AmericaMany countries and territories have installed significant solar power capacity into their electrical grids to supplement or provide an alternative to conventional energy sources. Solar power plants use one of two technologies: o Photovoltaic (PV) systems use solar panels, either on rooftops or in ground-mounted solar farms, converting sunlight directly into electric power.

See which countries have installed the most solar power, and which ones have the fastest annual growth rates over the last decade.



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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.

Our rundown of the countries around the world using the most solar energy, from Mexico to China

This ranking highlights countries where renewable sources already deliver most grid electricity. The metric is the share of domestic electricity generation coming from hydro, wind, solar, ...

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