

Chart of France's solar power generation ratio

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What is solar power generation in France?

This graph provides an annual and monthly overview of solar power generation in France. The evolution of solar photovoltaic generation is an important parameter in the energy transition, as it is a renewable and low-carbon energy. In 2022, solar power generation rose sharply on the back of expanded capacity and good sunlight.

How much solar power does France have in 2023?

In 2023, the PV energy capacity in France amounted to approximately 20.5 gigawatts, making France the fifth European country for cumulative PV capacity that year. Despite this high ranking, solar PV power generation was still behind hydropower and wind renewable energy production.

Does France have a solar energy sector?

The exponential growth of the solar photovoltaic energy sector in France has never stopped since its inception in the early 2000s. In 2023, the PV energy capacity in France amounted to approximately 20.5 gigawatts, making France the fifth European country for cumulative PV capacity that year.

What type of power does France have?

France's installed electricity generation capacity is mainly made up of nuclear, hydroelectric and fossil-fired power plants, as well as renewable power plants (wind, solar photovoltaic, biomass). French power production continues to change in 2022 and 2023, driven by the growth in renewable energy sources.

About this data Share of electricity generated by solar power Measured as a percentage of total electricity produced in the country or region.

Hydroelectric power is currently the primary source of renewable electricity, accounting for over 42% of France's renewable electricity in 2023. Approximately 33% of the renewable production is provided ...

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Specifically for France, a country factsheet has been elaborated, including the information on solar resource and

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PV power potential country statistics, seasonal electricity generation variations, LCOE ...

Find here the data on electricity generation in France, presented either in aggregate or in detail by generation type: nuclear, conventional thermal, hydro, solar, wind and ...

Historically, the average for France from 1980 to 2023 is 0.63 percent. The minimum value, 0 percent, was reached in 1980 while the maximum of 4.63 percent was recorded in 2023. See the global ...

Solar PV accounted for 14% of France's total installed power generation capacity and 5% of total power generation in 2023.

This graph shows the average and maximum coverage rate of electricity consumption by solar generation, at monthly and annual granularity. The solar coverage rate corresponds to the proportion ...

This graph represents the evolution of the French energy mix, with a view to the evolution of installed generation capacity in France, overall and by technology.

High project debt financing in Europe, including France, limited project profitability despite the reduced module costs. With 40 to 100 GW of unsold modules now in European warehouses, the French ...

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