

Proportion of solar power generation in France



Overview

Excluding self-consumption, solar electricity production represented 6.5 percentage points higher than the share of solar production in French electricity consumption in the first three. 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. 5 gigawatts (GW) at the end of 2023, up from 17.0 GW of new photovoltaic capacity added to the grid, pushing the country's cumulative capacity to 24.

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Solar power in France

France is aiming to increase its solar PV capacity from 11.5 GW in March 2021 to 23 GW by the end of 2023. The country offers feed-in tariffs for small-scale solar PV up to 100 kWp on rooftops for self ...

France solar power: Impressive 4.2 GW Added in 2025

Overall, solar energy supplied a meaningful 7.3% of France's total electricity consumption during this period, underscoring its growing importance in the country's energy mix.



France Solar electricity generation, percent



France: Solar electricity generation, percent: The latest value from 2023 is 4.63 percent, an increase from 4.58 percent in 2022. In comparison, the world average is 4.92 percent, based on data from 185 ...

Solar PV in France

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



National Survey Report of PV Power Applications in France 2023

Market Growth: A total of 4.0 GW DC of new capacity was installed in 2023, surpassing 2022's revised volume of 3.2 GW DC. While industrial and utility-scale systems dropped to 37% of new installations, ...

Solar power generation in France

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 ...



Renewable energy in France

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What Percent Of Renewable Energy Is Used In France

France is a major player in the renewable energy sector, with hydropower, wind, and solar being the primary sources of energy. In 2023, renewables accounted for 30% of electric generation, ...



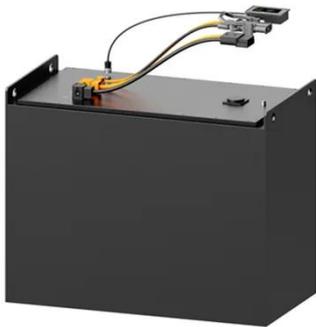
Eco2mix - Power generation by energy source , RTE

Data on the French electricity production mix is published in real time in a live dashboard and is also available in historical dashboards. The data covers mainland France, excluding Corsica.

France Reaches 23.7 GW of Photovoltaic Solar Power

Excluding self-consumption, solar electricity production represented 6.2% of French electricity consumption for the

first three quarters of 2024. This share is 0.5 percentage points higher ...



Solar power in France

France is aiming to increase its solar PV capacity from 11.5 GW in March 2021 to 23 GW by the end of 2023. The country offers feed-in tariffs for small-scale solar PV up to 100 kWp on rooftops for self-consumption, with a specific grid tariff for collective users and exemption from the domestic tax on electricity for projects under 1 MW. However, a proposal to reduce solar PV subsidies for ongoing projects until 2030 has created controversy, affecting the sector's growth despite the target of reachin...

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