



MODERNIZATION SOLAR

French power grid solar inverter capacity





Overview

How many GW of solar power is installed in France?

Overall, out of the 23.7 GW cumulative, 22.9 GW is located in mainland France. France needs to install more than 12 GW of new capacity between now and 2028, by when the government targets to achieve between 35.1 GW to 44 GW of cumulative solar PV capacity under its Multi-Year Energy Programme (PPE).

How many solar panels did France install in 2024?

From pv magazine France French grid operator Enedis said that France deployed 4,596 MW of solar in 2024, including 1,567 MW of self-consumption capacity, which accounted for 35% of new additions. The figure set a new record for France's PV sector, surpassing the 3,135 MW installed in 2023, 2.6 GW in 2022, and 2.8 GW in 2021.

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 2025?

France is continuing its ambitious push into renewable energy, installing an impressive 4.2 GW of new solar capacity in the first nine months of 2025. This brings the nation's cumulative installed solar capacity to a significant 27.5 GW.



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[France Installs 4.2 GW of Solar PV Capacity in First Three ...](#)

Oct 24, 2025 · Recent data released by Enedis, France's electricity distribution network operator, shows that the country's grid added 4.2 gigawatts (GW) of new solar photovoltaic (PV) ...

[France deploys 4.6 GW of PV in 2024](#)

Jan 22, 2025 · France deployed 4.6 GW of solar in 2024, bringing its total PV capacity to 22.12 GW. Grid operator Enedis says that self-consumption

...



[France solar PV capacity additions 2017-2022 and average ...](#)

Nov 7, 2025 · France solar PV capacity additions 2017-2022 and average annual additions 2023-2025 - Chart and data by the International Energy Agency.

[French Solar PV Installed Capacity Reaches ...](#)

Dec 9, 2024 · SDES counts new solar PV installations in France to have added up to 3.5 GW in 9M 2024 The largest addition was reported for Q3 ...



[France's Q1 solar deployments rise to 1.4 GW , Solar Power ...](#)

Jun 5, 2025 · France's installed solar power capacity reached 26.77 GW at the end of March after the country connected 1.4 GW of new photovoltaic (PV) plants to the national power grid in the ...



[France deploys 4.6 GW of PV in 2024](#)

Jan 22, 2025 · France deployed 4.6 GW of solar in 2024, bringing its total PV capacity to 22.12 GW. Grid operator Enedis says that self-consumption accounted for 35% of new installations.



[Solar photovoltaic energy in France](#)

Mar 26, 2025 · 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 ...



French Solar PV Installed Capacity Reaches 23.7 GW

Dec 9, 2024 · SDES counts new solar PV installations in France to have added up to 3.5 GW in 9M 2024. The largest addition was reported for Q3 with 1.357 GW, followed by 1.13 GW in Q2

...



France solar power: Impressive 4.2 GW Added in 2025

Oct 24, 2025 · France Solar Power Growth: A Mid-Year Review for 2025 France is continuing its ambitious push into renewable energy, installing an impressive 4.2 GW of new solar capacity ...

Renewable electricity

Dec 1, 2025 · Solar PV The Pluriannual Energy Programme (in French, PPE), the latest revision of which was adopted in April 2020, sets a target of 20.1 GW of installed PV capacity in 2023 ...



France adds 4.2 GW of solar in first nine months of 2025

Oct 22, 2025 · Statistics from Enedis show that 4.2 GW of solar connected to France's grid in the January-September period, including 82 MW paired with storage, marking a slight decline from ...



Solar power generation in France

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