



New solar energy system in Spain

How much solar energy does Spain have in 2024?

GEM data show that as of May 2024, Spain already has 29.5 GW of utility-scale solar energy installed, and 7.8 GW under construction, accounting for 60% of the country's target of 57 GW of utility-scale solar PV and 5 GW of solar thermal installations by 2030.

Can Spain achieve 62 GW of solar power by 2030?

In order to attain its newly expanded goal of having 62 GW of wind power and 81 GW of solar power installed by 2030, Spain will need to hasten its pace of renewables deployment and overcome obstacles: permitting bottlenecks, anemic growth in rooftop solar, and infrastructure limitations that impede demand.

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Comparing GEM's utility scale figures to IRENA's total solar numbers shows that only 5% of Spain's solar capacity is in small-scale and residential rooftop installations, compared to 62% for Europe.

Why are solar panels becoming more popular in Spain?

Solar panel installations are increasing, both in the public and private sectors, in various regions of Spain. Municipal, industrial, and collective self-consumption initiatives are highlighted in communities such as the Canary Islands, Malaga, Gran Canaria, and rural areas. The 2025 subsidies and tax credits make solar energy more accessible.

Our initiatives Spain consolidated a new renewable energy growth record in 2025, installing 8,852.7 MW of new capacity. Of this total, 7,896.3 MW came from solar photovoltaic (PV) ...

Spain maintains solar leadership, but needs to accelerate pace to meet 2030 renewables goals Spain shines brightly as Europe's utility-scale solar energy leader, according to new data from ...

Solar self-consumption in Spain continued to grow in 2025, with 1,139 MW of new capacity installed. However, the national association UNEF warns that further measures are needed to ...

Spain accelerates its renewable energy push, greenlighting 7.2 GW of new solar PV projects in the first half of 2024. See how solar is dominating Spain's green transition.

In 2025, Spain witnessed a remarkable surge in solar energy initiatives, with over 5 gigawatts (GW) of solar projects entering the permitting phase. This expansion marks a significant ...

Looking for information on solar panels in Spain? Discover the projects, grants, and real benefits of solar energy in 2025.

The Triple Planetary Crisis Photovoltaic cells have been the building blocks of a solar power boom spurred by Prime Minister Pedro Sánchez, whose support for renewables, combined ...



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Spain installed 1.14 GW of solar capacity for self-consumption in 2025, lifting cumulative capacity to 9.3 GW, as residential and commercial installations declined while industrial and off-grid ...

The rate of installation of new self-consumption PV systems in Spain fell slightly last year, according to data from trade body UNEF.

Spain is aiming for "infinite" Solar panels alone won't power the country around the clock. What Spain is not doing is racing to build the system behind the sunshine smart grids, storage, and ...

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