

# Solar power station power generation in Spain

Does Spain have a solar power plant?

Spain has been expanding its solar PV capacity by commissioning several commercial-scale solar PV plants. Read more about the largest PV plants in Spain. Spain is one of Europe's largest solar photovoltaic (PV) energy producers. In 2021, solar accounted for 16% of Spain's installed capacity and 8% of the country's power generation as a whole.

How big is solar energy in Spain?

In 2021, solar accounted for 16% of Spain's installed capacity and 8% of the country's power generation as a whole. And solar energy in Spain is only getting bigger. In 2022 alone, the country installed 6.93 GW of PV capacity, taking its total installed capacity to over 25 GW. 4,281 MW of this expansion came through large-scale solar PV plants.

How many solar farms are there in Spain?

Spain generates solar-powered energy from 237 solar power plants across the country. In total, these solar power plants have a capacity of 4762.5 MW. How much electricity is generated from solar farms each year?

How many solar PV plants are there in Spain in 2022?

In 2022 alone, the country installed 6.93 GW of PV capacity, taking its total installed capacity to over 25 GW. 4,281 MW of this expansion came through large-scale solar PV plants. Let's look at some of the largest PV plants currently operating in Spain. Did you know that renewable energy in Iberia is projected to rise by 64% in 2025?

Our solar power plants in Spain contribute to decarbonising the economy as well as to the energy transition with renewable and eco-friendly energy.

Spain marked a clean energy milestone in July 2025, according to APPA Renovables' latest monthly report. Renewables generated 13,871 GWh, covering 55.1% of the national electricity ...

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Data and information about Solar power plants and their location plotted on an interactive map of Spain.

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 ...

Seville/Paris, May 22nd, 2025 - TotalEnergies inaugurates its largest solar power plant cluster in Europe, near Sevilla in Spain. It consists of five solar projects with a total installed capacity of 263 MW.

With a total of 31,452 MW, wind power represents 24.8% of the total installed capacity in the peninsular



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electricity system. Over the course of 2024, installed solar photovoltaic power capacity ...

Here is a list of the largest Spain PV stations and solar farms. Get to know the projects' power generation capacities in MWp or MWAC, annual power output in GWh, state of location and exact ...

Utility-scale solar PV generation in Spain 2024, by region Utility-scale solar photovoltaic energy generated in Spain in 2024, by autonomous community (in gigawatt hours)

Spain's solar PV capacity reached 6 GW in 2024, making it the country's top power source with a 25.1% share, surpassing wind at 24.9%. Renewable generation grew 10.3%, ...

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