

Spanish solar modules and power generation projects





Overview

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.

What are Spain's Energy Transition projects?

Spain continues to launch emblematic energy transition projects such as the 1.9 GW Nudo Mudéjar de Andorra, a cluster of solar (1,204 MW) and wind (695 MW) projects designed to replace the former 1,102 MW Teruel coal plant; and the 100 MW Zorita solar farm currently under construction near the retired José Cabrera nuclear plant.

What are the best solar projects in Spain?

Núñez de Balboa Solar Plant (500 MW): Also located in Extremadura, this project contributes significantly to Spain's solar capacity and showcases the region's potential for utility-scale projects. Andasol Solar Complex: A pioneering concentrated solar power (CSP) project that includes thermal storage, allowing for energy delivery even after sunset.

How much solar power will Spain have by 2030?

The national energy plan recognizes this importance and projects utility-scale PV capacity to reach 57ac GW by 2030, which is three times the estimated rooftop capacity (19GWac). •High PV Penetration: Spain is a leader in PV penetration.



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[The rise of photovoltaic solar energy in Spain: data, ...](#)

Jul 5, 2025 · Spain breaks records in solar photovoltaic energy. Learn about the data, challenges, and the future of the sector by 2030 in generation, self-consumption, and storage.

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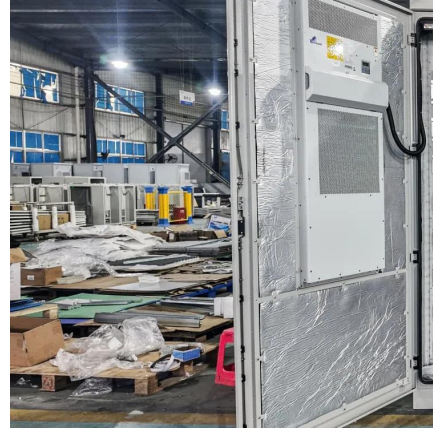


[National Survey Report of PV Power Applications S in ...](#)

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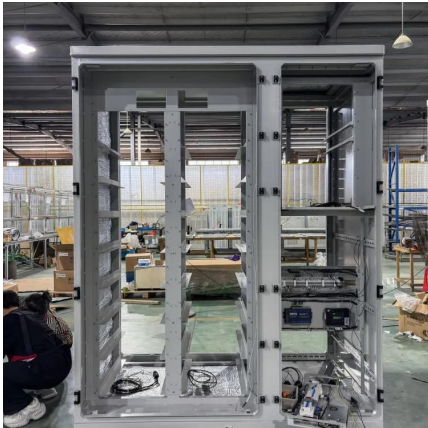
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[Largest solar power stations in Spain](#)

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 ...



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