

The latest energy storage projects under construction in Spain

What is energy storage in Spain?

It targets large-scale energy storage projects in Spain. It focuses on technologies like standalone battery energy storage systems (BESS), pumped hydro energy storage (PHES), and thermal energy storage. The program supports hybrid projects, which combine storage with renewable energy, such as solar or wind farms.

How will Spain increase its energy storage capacity?

Spain has launched an ambitious EUR700 million (around \$796 million) program to increase its energy storage capacity. This plan will add 2.5 to 3.5 gigawatts (GW) of storage. It includes pumped hydro, thermal energy storage, and battery systems.

Will Spain support new 'electricity storage projects'?

The European Commission said it will support the construction of 1,800MWh of new 'electricity storage projects' while Spain's Ministry for the Ecological Transition and the Demographic Challenge (MITECO) said it would support a total of 2.5-3.5GW of new capacity, in a separate announcement.

How many battery energy storage systems are in Spain?

More than 182 MW of the battery energy storage systems (BESS) highlighted in Spain's Official State Gazette (BOE) are for hybridization with existing solar and wind generation capacity. From ESS News pv magazine España lists the most notable energy storage projects announced in Spain's BOE in the fourth quarter of 2024.

Why should Spain invest in energy storage?

Investing in energy storage helps Spain meet its climate goals. This includes achieving carbon neutrality by 2050. Storing renewable energy instead of wasting it helps the country rely less on fossil fuels. This also cuts down greenhouse gas emissions. Pumped hydro, thermal storage, and battery systems are effective technologies.

Does Spain have a state aid scheme for energy storage?

The European Commission has approved a EUR699 million state aid scheme in Spain to support the deployment of up to 3.5GW of energy storage.

Galp has kicked off construction on five new battery energy storage system (BESS) projects in Spain and Portugal, marking a major step in its clean energy strategy. According to ...

The government of Spain, through the Institution for the diversification and energy savings (IDAE) has awarded 880MW/1809MWh in ...

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Q ENERGY's Taurus B portfolio highlights the growing convergence of solar and storage in Spain's renewable energy sector. By securing long-term financing and embedding ...

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Spain's MITECO has a dozen energy storage projects going through its environmental permitting process, in addition to two sites the ministry has designated ...

The EIB-backed project is expected to increase Spain's renewable energy production capacity by 2.3 GW. This milestone aligns with the ...

A total of 137 projects received administrative construction authorization (ACC) in Spain's second quarter of 2025, with a combined capacity of 2,350 MW.

Spain continues to expand its battery energy storage capacity, with five new BESS projects in Asturias entering public consultation. Two of ...

Listed below are the five largest energy storage projects by capacity in Spain, according to GlobalData's power database. GlobalData uses proprietary data and analytics to ...

pv magazine España lists the most notable energy storage projects announced in Spain's BOE in the fourth quarter of 2024.

A 5MW/20MWh BESS project Powin and Hitachi deployed for Galp in Portugal. Image: Powin / Hitachi / Galp. Galp has kicked off construction on five new battery energy ...

BW ESS has been busy energizing its storage projects, while agreeing to other deals similar to its new Spanish efforts, such as in Italy with ...

Between April and June 2025, Spain's larger scale energy storage projects saw a small increasing in construction authorization, with a much ...

Spain continues to expand its battery energy storage capacity, with five new BESS projects in Asturias entering public consultation. Two of these projects have already received ...

As of early 2025, Spain has roughly 1 GWh of grid-scale storage under construction, according to industry sources. This new wave of funding could accelerate the build-out, ...

Spain's 820 MW energy storage initiative for Q4 2024 represents a bold step toward achieving its renewable

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Here are Spain's top 10 energy storage investors, who are shaping grid flexibility, energy security, and decarbonisation. These major investors are funding high-impact initiatives like lithium-ion ...

NEOM green hydrogen project along with Brint and Xinjiang green hydrogen projects make it to the top 10 largest green hydrogen power plants in the world. Discover the complete list.

Large-scale BESS hybridisation under development Completion scheduled for year-end 2026 6th Spanish Q ENERGY project started in 2025 ...

A total of 137 projects received administrative construction authorization (ACC) in Spain's second quarter of 2025, with a combined ...

Listed below are the five largest energy storage projects by capacity in the US, according to GlobalData's power database. GlobalData uses proprietary data and analytics to ...

French utility Engie has signed a contract with Kallista Energy to manage the commercial optimisation of a 120-megawatt/240-megawatt-hour battery energy storage ...

The Ministry of the Environment of Spain has launched its latest financial support scheme for energy storage, aiming to kickstart 2.5-3.5GW.

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