

Expected ROI of hybrid renewable storage project in Spain 2025

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.

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.

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.

What does the European Commission say about energy storage in Spain?

La Moncloa. 17/03/2025. European Commission approves new 700 million aid scheme to boost energy storage in Spain [News] The Ministry of Ecological Transition and Demographic Challenge will promote the large-scale deployment of this technology by co-financing investments of up to 85%.

Will Spain be able to deploy large-scale electricity storage?

The European Commission has approved a new aid scheme that will allow Spain to deploy large-scale electricity storage, both in hybridisation with renewable energy facilities and stand-alone and thermal.

What is the European Commission's new energy storage support scheme?

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The aid is targeted at various storage technologies, including stand-alone battery systems, reversible pumped



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hydro, thermal storage, and hybrid systems integrated with ...

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Implementation of the capacity market in Spain will set a milestone in 2025, with the first bidding expected for the first semester for the MITECO. This mechanism, approved in December 2023 and develop in 2024, ...

Battery storage dominated this pipeline at 87% of total capacity, while solar-storage hybrid projects accounted for 10.3% and wind-storage hybrids made up 2.7%.

This new funding builds on earlier support under Spain's Recovery, Transformation and Resilience Plan (PRTR), which has already mobilized EUR730 million for 4.5 ...

Enlight expands its successful Gecama Wind Project, transforming it into the largest hybrid power complex of its kind in Spain The project combines wind, solar, and utility ...

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Hybrid projects, which combine solar with storage, benefit from a redefined regulatory framework. By using shared inverter capacity as the reference point, the reforms ...

Once completed, the Gecama Hybrid Project is expected to become the largest renewable energy complex of its kind in Spain and to play a key role in advancing storage ...

Separately, the target for energy storage deployment will more than double between 2025 and 2030, with 9.2GW expected in 2025 and nearly 19GW in 2030. An ambitious target ...

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Big news from Spain! MITECO just launched a EUR700 million funding program to accelerate large-scale energy storage deployment, targeting stand-alone batteries, grid ...

A hybrid PPA is expected to be finalised soon, with battery installation slated to start during the second half of 2025. The two-year strategic plan includes the launch of Greenbox, a stand-alone storage platform with a 35 ...

But here's the thing - Spain's betting big that storage will cement its position as Europe's renewable leader. With neighboring countries like Portugal and France eyeing similar reforms, ...



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The government plans for Spain are therefore to position the country as a renewable hydrogen exporting nation of Europe in the medium-long term. According to the Ministry for Ecological Transition and the Demographic ...

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The company is active along the entire value chain of renewable energy projects - from solar parks, onshore and offshore wind projects to energy storage solutions and hybrid power plants. More than 550 employees in the ...

Energy storage is rapidly emerging as a vital component of the global energy landscape, driven by the increasing integration of renewable energy sources and the need for grid stability. As the world transitions towards cleaner ...

Providing insight, analysis and finance to support the global energy transition LCP Delta and Santander have combined their expertise to provide this report into the opportunity for ...

Quiver AI Summary Enlight Renewable Energy has announced the expansion of its Gecama Wind Project in Spain, transforming it into the largest hybrid power complex in the ...

While not a technology provider per se, EDPR is highly relevant to the theme: it is pioneering hybrid renewable projects and storage integration in Iberia. In 2024, EDPR ...

With its strategic geographical position and abundant renewable resources and capabilities, Spain is uniquely positioned to lead Europe's cleantech revolution. The country already accounts for 20% of green hydrogen ...

Enlight expands Gecama Wind Project into Spain's largest hybrid power complex, integrating wind, solar, and battery storage technologies.

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