

Title: Spanish energy storage inventory 2025

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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.

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.

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.

How many energy storage projects did ESS select?

Battery energy storage systems accounted for 124 of the selected projects, while 17 involved thermal or power-to-heat storage and three were pumped hydro sites. To continue reading, please visit our ESS News website. This content is protected by copyright and may not be reused.

The Spanish government approved Royal Decree 7/2025 on June 24, resolving several long-standing obstacles hindering the secure ...

Spain's Instituto para la Diversificación y Ahorro de la Energía (IDAE) has issued a provisional funding proposal for the country's first call for innovative energy storage projects,...

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 ...

The scheme aims to deploy between 2.5 and 3.5 gigawatts (GW) of new storage capacity, enhancing the flexibility and resilience of the national power system while enabling ...

Spain has launched an ambitious EUR700 million (around \$796 million) program to increase its energy storage capacity. This plan will ...

Energy storage emerged as a notable component of Spain's renewable energy expansion in the second quarter of 2025, with seven energy storage plants receiving ...

Chema Zabala, Managing Director of Alantra Energy Transition and moderator of Panel 5 at FES Iberia 2025, stated that energy storage is already a mature technology, but ...

The European Commission has approved a new aid scheme that will allow Spain to deploy large-scale electricity storage, both in ...

The Spanish government approved Royal Decree 7/2025 on June 24, resolving several long-standing obstacles hindering the secure and lawful deployment of energy storage ...

In its latest update to the National Energy and Climate Plan, the government of Spain increased its energy storage target to 22.5 GW by 2030. It also revised the target for energy storage ...

The companies signed a solar-plus-storage power purchase agreement (PPA) for a 170MWp solar, 400MWh battery energy storage system (BESS) project in Extremadura, ...

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 ...

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