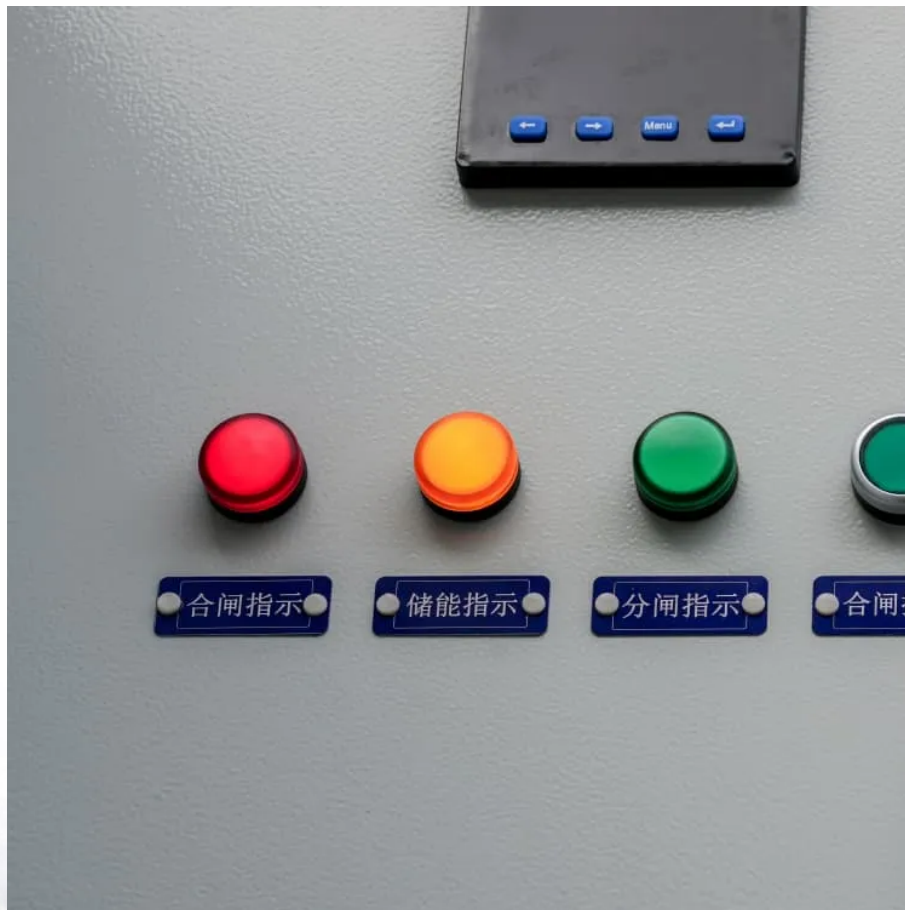


Spanish Electric Power Construction Energy Storage Power Supply





Overview

Approved on 24 June by the Spanish government, the Royal Decree-Law 7/2025 contains measures that aim to strengthen the resilience of the country's electrical system, including boosting electrification, storage and flexibility. 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 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%.

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 €700 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.



Spanish Electric Power Construction Energy Storage Power Supply



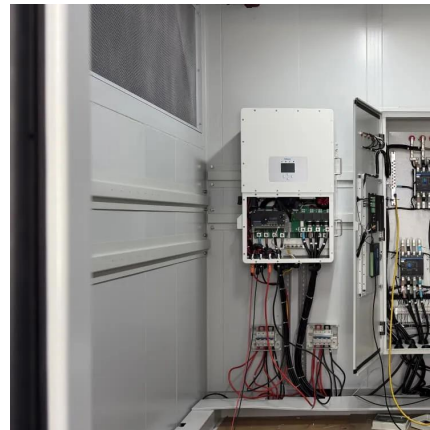
Spain

Jul 31, 2024 · Energy storage technology also has countless opportunities in this market, given the Spanish plans for renewable energy-based electrification. Transportation, construction, ...

[Spain will build the largest mega-power plant ...](#)

Dec 5, 2024 · Spain is poised to lead Europe in renewable energy by constructing the continent's largest pumped storage power plant.

...



[Catalonia leads electricity storage projects in Spain](#)

Apr 26, 2025 · Catalonia leads electricity storage projects in Spain The Principality is the fifth territory with new renewable energy projects granted construction permits in the first quarter.

Spain will build the largest mega-power plant in Europe, ...

Dec 5, 2024 · Spain is poised to lead Europe in renewable energy by constructing the continent's largest pumped storage power plant. Managed by Iberdrola, the Conso II project in Ourense, ...



[Quantum boost for Spanish power grid](#)

Jul 6, 2023 · Quantum algorithms from Multiverse Computing in Spain are being used to optimise the local electricity grid and develop additional ...



[Current situation and challenges of energy storage in Spain](#)

Aug 1, 2025 · Accelerated growth of energy storage facilities in Spain, including large hybrid projects with renewables. National and European industrial innovations support advanced ...



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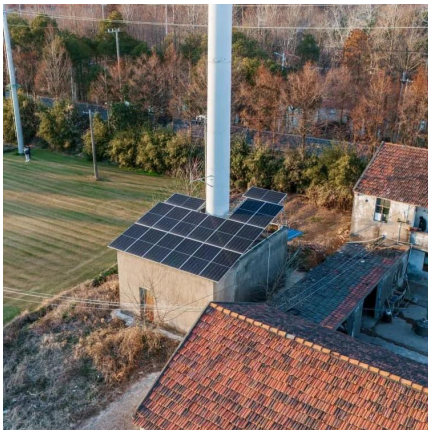
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Mar 15, 2025 · Limited grid capacity and insufficient storage led to Spain wasting around 1% of its renewable energy in 2023. Curtailment has ...

Green hydrogen from renewable surplus: Production and storage ...

Jun 20, 2025 · This work studies the potential of hydrogen production from surplus electricity, in line with Spain's ambitious decarbonization goals. By simulating the planned 2040 electricity ...



Spain's EUR700 Million Plan to Boost Energy Storage and Renewable Power

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[Spain builds largest pumped storage power plant in Europe](#)

Nov 24, 2025 · A pumped storage power plant is an energy storage system that uses hydropower to store and generate electricity. When there is a surplus of electricity, such as from solar or ...



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Jun 3, 2025 · Spain's Ministry for the Ecological Transition and the Demographic Challenge (MITECO) has announced a major funding initiative worth EUR700 million to boost large-scale ...



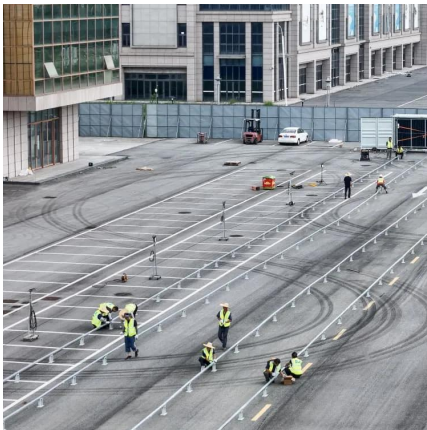
Naturgy Starts Construction of First Battery Projects in Spain

Oct 27, 2025 · Naturgy emphasised that battery energy storage systems are "key to the security and quality of supply," allowing stored renewable energy to be dispatched during periods of ...



[Spain and Portugal Blackout Exposes Supply ...](#)

Apr 29, 2025 · Spain's electricity network operator Red Eléctrica de España (REE) described the event as "el cero" - the zero. It explained: "Red ...



[Spain authorizes 29.3 MW energy storage in Q2 2025, with ...](#)

Jul 11, 2025 · Between April and June 2025, Spain's larger scale energy storage projects saw a small increasing in construction authorization, with a much larger increase in new projects ...

[Spain Electricity Grid Expansion: EUR16bn Plan Unlocks Demand for Energy](#)

Sep 16, 2025 · Spain's EUR16bn electricity grid expansion aims to ease congestion, boost renewables, and accelerate energy storage growth by 2030.



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Nov 6, 2025 · Spain is taking decisive action to modernize its power system and accelerate the shift toward a fully electrified economy. This week, the Council of Ministers approved a new ...

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