ContainerPower Energy Solutions

Spanish energy storage battery new energy

Overview

Spain has enacted Royal Decree 917/2025, a major regulatory update that formally integrates energy storage into the electricity system and grants first dispatch priority to renewable energy projects paired with batteries.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.

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 has Spain strengthened its energy infrastructure?

Spain has taken a decisive step in strengthening its energy infrastructure with the launch of a €700 million support scheme aimed at expanding large-scale energy storage across the country.

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

The European Commission approved a new support scheme. 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.

How will Spain's new energy grid work?

This lowers greenhouse gas emissions and cuts fuel costs. Spain’s plan to add 2.5 to 3.5 GW of storage capacity will significantly improve the grid’s ability to integrate renewable energy sources. The program requires projects to be completed within 36 months of receiving funding, with operations starting by the end of 2029.

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