

Battery energy storage at Spanish substations

From modern lithium-ion batteries to sodium-ion batteries, at Iberdrola España we are implementing initiatives of different sizes in order to meet the energy needs in projects in Spain.

The regional analysis shows that Extremadura leads the nation in development with 1,300 MW currently in the permitting process. It is followed by Catalonia, with its recently approved decree ...

Spain's battery energy storage market is at a critical point. Despite being a leader in renewable energy deployment in Europe, the country has only 18 MW of standalone batteries installed, which is 300 ...

In this report, we delve into the developments in the regulatory framework of the Spanish electricity system and explore the potential of Spain's battery energy storage systems (BESS) market.

Spain's EUR700 million program aims to boost battery storage capacity by adding 2.5 to 3.5 gigawatts, enhancing energy stability and supporting renewable integration. The initiative supports ...

Renewable generation is now joined by storage projects, and Spain occupies a prominent place as the country with the second largest projected capacity for stand-alone batteries at ...

Despite the need, grid-connected battery storage in Spain remains in its infancy. Current operational storage assets are heavily skewed toward pumped hydro, with battery energy storage ...

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 projects.

Spain's battery storage program expanded to EUR840M, funding 143 projects totaling 8.9GWh. Learn how this initiative creates opportunities for solar-storage hybrids and boosts grid ...



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