



GermanSolarZA

Spanish communication BESS power station type





Overview

Does Spain need a Bess energy system?

Currently, Spain has 6.3GW of hydroelectric and 1GW of thermal storage capacity installed. In fact, the non-BESS storage capacity in Spain is higher than in any other European country. As a result, the need for BESS to integrate renewable energy sources into the electricity system is less immediate than in the UK, for example.

Does Spain need government support for Bess?

In Spain, significant growth has been seen in the BESS field over the last few years in the context of the National Integrated Energy and Climate Plan (PNIEC). However, there are still opportunities within the associated policies and regulations to unlock the necessary government support for these initiatives.

How many Bess projects are there in Spain?

In March 2025, UK companies Renewco and Atlantica announced the development of up to 2.2GW of BESS projects across Spain. Other projects in the pipeline primarily involve storage co-located with solar or wind generation. According to BloombergNEF, the total capacity currently in the BESS pipeline is around 3GW.

What is the legislative framework governing Bess in Spain?

In Spain, the legislative framework governing BESS is evolving to support the growth of renewable energy sources, enhance grid stability, and meet EU decarbonization targets. This article delves into the current state of legislation surrounding BESS in Spain, highlighting key regulations, challenges, and future prospects.



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[Understanding Battery Energy Storage Systems \(BESS\)](#)

Learn what Battery Energy Storage Systems (BESS) are, how they work, and why they're vital for renewable energy and smart grids.

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UK Groups Supporting 2.2 GW of Battery Energy Storage in Spain

Two European companies announced an agreement to jointly develop as much as 2.2 GW of battery energy storage system (BESS) projects across Spain.

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In April 2025, Spain's installed BESS capacity is only 60MW, whereas the UK and Italy already have 5.6GW and 1GW of online BESS capacity, respectively. In this article, we discuss the ...

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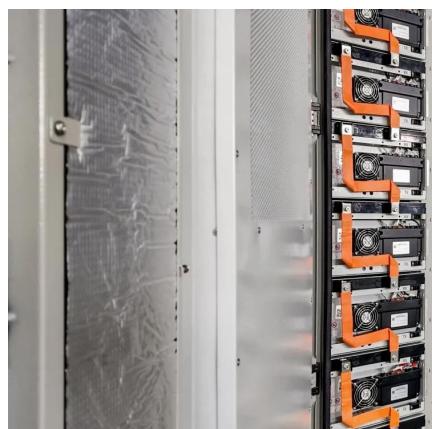
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