



MODERNIZATION SOLAR

Port of Spain Energy Storage Generator BESS





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.

Why do we need battery energy storage systems in Spain?

Due to the large capacity of installed hydroelectric and thermal storage systems and the resilience of the Spanish power grid, the need for Battery Energy Storage Systems (BESS) in Spain has been relatively low. The lack of a clear regulatory framework for BESS has also hindered its development in Spain so far.

How much energy storage will Spain have by 2030?

Spain's National Integrated Energy and Climate Plan (PNIEC) has mandated 22.5 GW of energy storage capacity by 2030, a major step-up in commitments from current storage levels: in April 2025, Spain's installed BESS capacity was only 60 MW.

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.



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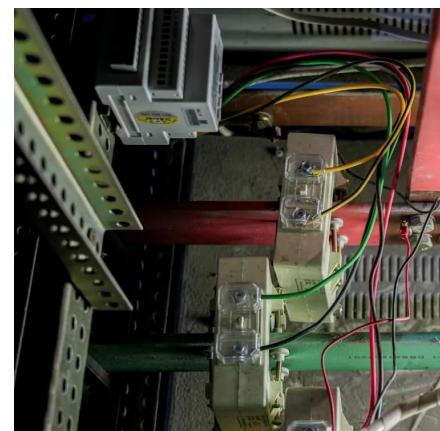


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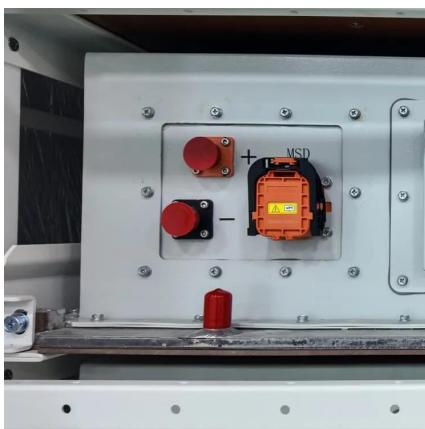


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Legislaton and storage of BESS in Spain

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part 4: Spain's BESS market is heating up

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Aug 12, 2025 · The Ministry for the Ecological Transition and the Demographic Challenge (MITECO) has published in the Official State Gazette a total of 41 energy storage projects ...



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BW ESS and Ibersun sign joint venture to develop 2.2GW BESS in Spain

24 June 2025, MADRID -- Global energy storage owner-operator BW ESS and Getxo-based energy storage developer Ibersun have signed a joint venture to develop, in its first phase, ...

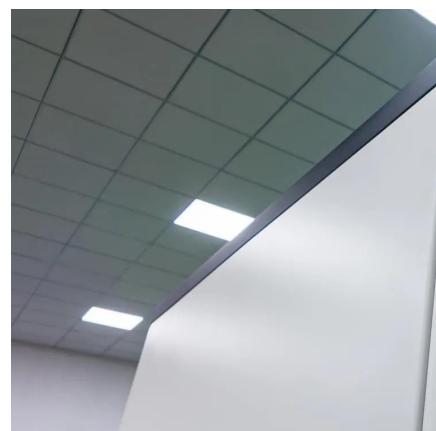


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Naturgy launches Construction on First Portion of Ten-site, 160MW BESS

Oct 19, 2025 · The projects are recipients of funding under Spain's energy storage capex support scheme funded by the EU's Recovery and Resilience framework, which is funding up to ...



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