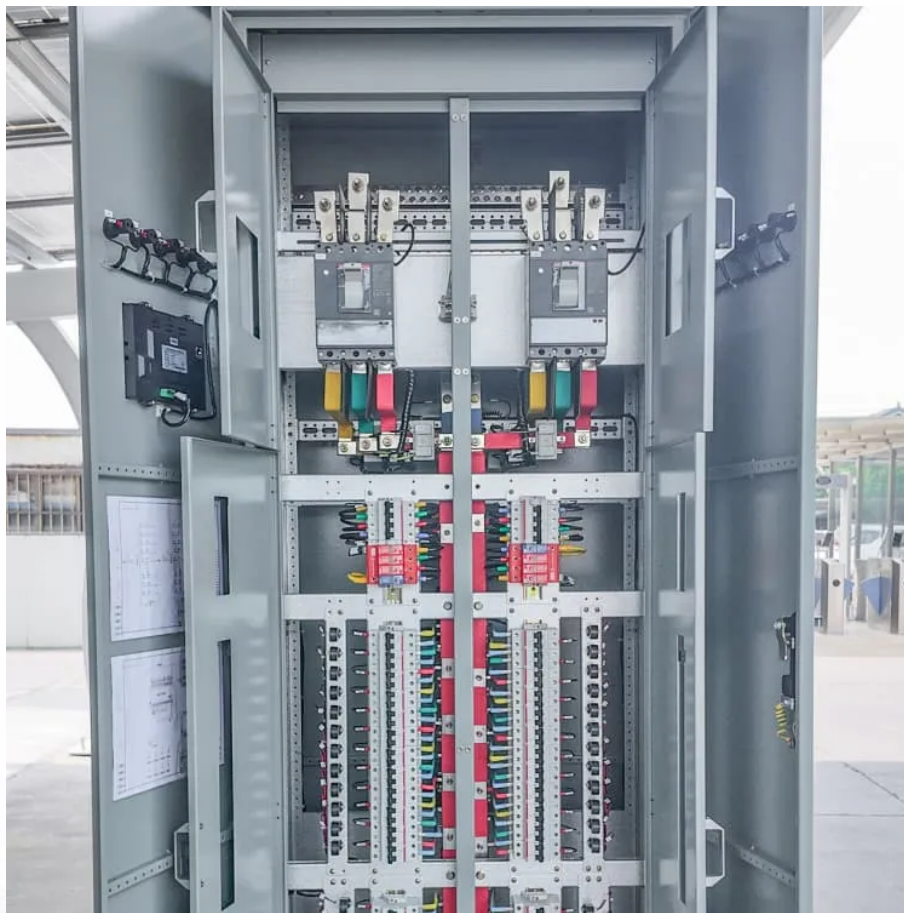


# Bess system for solar factory in Spain





## Overview

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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.

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.

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.

Where will Galp install a Bess solar PV plant in Spain?

In Spain, Galp will install a 14MW/28 MWh BESS at a solar PV plant in Manzanares, in the Castilla-La Mancha region. The operation and optimization of the BESS projects will be directed by Galp's Control Center, a dispatch centre approved by REN and REE, in Portugal and Spain, respectively.



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### How Spain's Real Decreto-Ley 7/2025 accelerates BESS projects

Here, we explain how the new Spanish legal framework, Real Decreto-Ley 7/2025, paves the way to accelerate battery energy storage system (BESS) projects by reducing ...

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More than 182 MW of the battery energy storage systems (BESS) highlighted in Spain's Official State Gazette (BOE) are for hybridization with existing solar and wind generation capacity.

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### [Legislation and storage of BESS in Spain](#)

This article delves into the current state of legislation surrounding BESS in Spain, highlighting key regulations, challenges, and prospects.

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[Galp building 73MW/147MWh of Sungrow BESS in Spain, ...](#)

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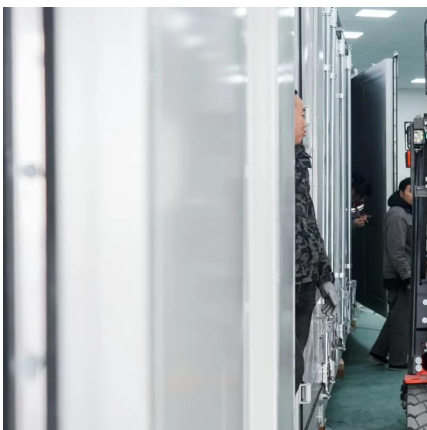
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[Spain Leads Europe in Solar-Plus-Storage with EUR148.5M...](#)

On August 6, 2025, Spain's Ministry for the Ecological Transition and the Demographic Challenge (MITECO) approved EUR148.5 million in funding for 199 pioneering solar-plus-storage projects, ...

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[BESS and LDES in Spain: opportunities and...](#)





BESS and Long Duration Energy Systems (LDES) can play an instrumental role in reducing or eliminating the need for RE economic curtailment, as, when combined, the technologies deliver further ...

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[part 4: Spain's BESS market is heating up](#)

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 ...

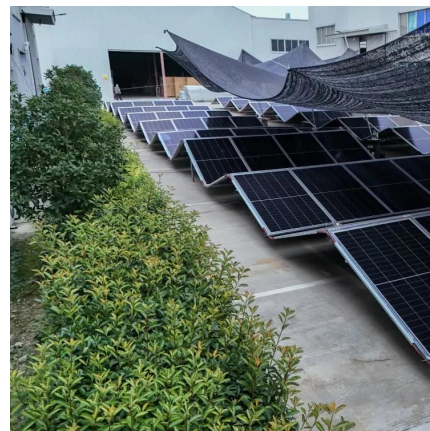
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Oil, gas and renewables firm Galp has announced construction on BESS projects in Spain and Portugal using equipment from inverter and BESS firm Sungrow. The firm has launched construction on the five ...

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The market energy storage in Spain, particularly in relation to the BESS systems (Battery Energy Storage Systems), is undergoing a dynamic and accelerated evolution. This transformation is driven by the ...

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### **Solaria wins approval to add 908 GWh of BESS to solar farms in Spain**

Spanish renewables firm Solaria Energia y Medio Ambiente SA (BME:SLR) has received environmental clearance to install 908 MWh of battery energy storage systems ...

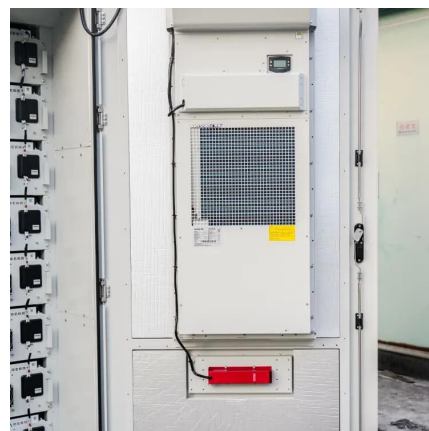
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