
Madrid Power Station Generator BESS Company

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.

Who are BW ESS & ibersun?

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, 2.2GW of utility-scale battery energy storage system (BESS) projects across Spain.

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.

Primary power source support: in remote oil and gas operations where diesel or gas generators are the primary power source, BESS can store excess energy and provide backup ...

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