



# Spain hybrid energy storage project

What is energy storage in Spain?

It targets large-scale energy storage projects in Spain. It focuses on technologies like standalone battery energy storage systems (BESS), pumped hydro energy storage (PHES), and thermal energy storage. The program supports hybrid projects, which combine storage with renewable energy, such as solar or wind farms.

How many battery energy storage systems are in Spain?

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. From ESS News pv magazine Espa#241;a lists the most notable energy storage projects announced in Spain's BOE in the fourth quarter of 2024.

Will Zelestra build a solar & battery energy storage hybrid project?

First solar plus battery energy storage PPA signed in the Spanish market will allow Zelestra to build a 170 MWdc solar and 400 MWh battery storage hybrid project to supply EDP. The construction of the hybrid project in Trujillo, Extremadura, Spain, will begin in the second half of 2025.

How will Spain increase its energy storage capacity?

Spain has launched an ambitious EUR700 million (around \$796 million) program to increase its energy storage capacity. This plan will add 2.5 to 3.5 gigawatts (GW) of storage. It includes pumped hydro, thermal energy storage, and battery systems.

Why should Spain invest in energy storage?

Investing in energy storage helps Spain meet its climate goals. This includes achieving carbon neutrality by 2050. Storing renewable energy instead of wasting it helps the country rely less on fossil fuels. This also cuts down greenhouse gas emissions. Pumped hydro, thermal storage, and battery systems are effective technologies.

When is EDP launching a hybrid project in Spain?

The construction of the hybrid project in Trujillo, Extremadura, Spain, will begin in the second half of 2025. This leading product comes to address the significant market needs for reliability in Spain. The tailor-made solution gives EDP the flexibility to access clean energy beyond solar hours.

12 hours ago#0183; Espanha EUR700 million BESS Spain support scheme marks a major step for the country's energy future. The program aims to boost battery storage by supporting over 100 ...

In November 2019, Iberdrola Espa#241;a inaugurated the first electrical energy storage system with lithium-ion batteries for distribution networks in Spain. The project - a pioneer in ...

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