

Average VRFB energy storage price per 250MW in Spain

What is a 5MWh VRFB?

A 5MWh VRFB sits at the Energy Superhub project in Oxford, UK, supplied by Invinity Energy Systems for project owner EDF. The Superhub is also notable in that it features both VRFB and lithium-ion (Li-ion) battery technologies at the same site, designed as a 'hybrid' for each to perform different, complementary applications.

Where is a VRFB battery installed?

The 1.1MW/5.5MWh flow battery has been installed at Enel Green Power Espana's 3.34MWp Son Orlandis solar PV plant in the Mallorcan municipality of Palma. The VRFB was provided by Largo Clean Energy, the recently established downstream arm of primary vanadium producer Largo Resources.

Who is behind the VRFB project?

The VRFB was provided by Largo Clean Energy, the recently established downstream arm of primary vanadium producer Largo Resources. Enel Green Power posted some pictures of the project to X (formerly Twitter) on 18 March with the comment that the plant "paves the way for a sustainable, fossil-free future."

What is a dynamic electricity tariff in Spain?

Spain is a European pioneer in dynamic electricity tariffs - plans where prices change every hour, based on wholesale rates. The most common dynamic option? PVPC (Precio Voluntario para el Pequeño Consumidor) - the regulated hourly tariff used by ~ 1/3 of households. In 2024, it was reformed to include futures prices, reducing volatility.

Is Spain ready for a greener energy future?

Spain's electricity market is undergoing a rapid and remarkable transformation. From record-breaking renewables to smarter tariffs and sweeping policy updates, the 2023-2025 period is setting the stage for a greener, more flexible energy future.

4 · Source: Red Eléctrica de España. Average daily price: Arithmetic mean of the day's prices for the PVPC tariff. Price in euros per kilowatt-hour. Reference prices for mainland Spain and the Balearic Islands; does not include ...



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