



## average renewable energy storage price per 500MW in Spain

Platts has launched an "interactive explorer" tool that shows the capture price received by wind and solar power assets, using hourly production and monthly average price data for Spain, Germany, Italy, France, and the United Kingdom. Image: Maxim Grama y Andreas Franke, S& P Global Commodity

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. The goal is to improve how Spain uses renewable energy

Thanks to publicly available data from the national grid and market operators, respectively Red Eléctrica de España (REE) and OMIE, we were able to calculate the average captured price for both technologies in each AC over the period, based on hourly day-ahead wholesale market prices\*\*. The Spanish scheme for energy storage hybrid projects that produce electricity from renewable sources. The programme fits within the organisation's Recovery, Transformation, and Resilience Plan (RRTP). A total installed capacity of at least 600 MW, or the equal amount of total energy supply, will be

Maximum eligible costs per storage unit range from EUR 250/kWh for stand-alone storage to EUR 1,500/kWh for new pumped-storage hydropower projects. Aid will be distributed by region, with higher allocations to less developed or transitioning areas in line with EU cohesion policies.

Beneficiaries

New interactive map of renewable energy capture

The tool displays the capture price received by wind and solar power assets using hourly production and monthly average price data for Spain, Germany, Italy, France, and the United Kingdom. SPAIN

The market for utility-scale storage projects remains comparatively small at around 100MW, though a pipeline of projects is beginning to emerge.<sup>2,3,4,5</sup> Much of Spain's existing utility

Spain's EUR700 Million Plan to Boost Energy Storage

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Renewable energy in Spain

The use of renewable energy is expected to grow rapidly in the next few years. With the aim of achieving climate neutrality by 2050, the Spanish energy sector is undergoing a

Renewable price capture in Spain: mapping the territory

Although the money will solely pay for the addition of storage, the projects must be hybridised with renewable energy sources. Only initiatives that wouldn't be financially viable without state assistance will receive

Spain offers EUR 700m in aid for large-scale energy

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ENERGY PROFILE

Spain

Additional notes: Capacity per capita and public investments

SDGs only apply to developing areas. Energy self-sufficiency has been defined as total primary energy production divided by

Electricity prices

Preparing for a future of EVs, energy storage, and self-consumption

With bold targets and the technology to match, Spain is positioning itself as a European clean energy leader. Spain Launches EUR700 Million Energy Storage Scheme to Spain's Ministry for the Ecological Transition and the Demographic Challenge (MITECO) has announced a major funding initiative worth EUR700



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million to boost large-scale Technical and economic study of two energy storageThe study Purpose o Carry out an economic study of the profitability of two energy storage technologies in Spain. PSH Pumping Storage Hydropower of 100 MW (15h) and 200 MW Unlocking Opportunity Analysing Spain's battery storage landscape LCP Delta and Santander Corporate & Investment Banking Providing insight, analysis and finance to support the global energy transition LCP Electricity generation from renewable energies in These annual figures, the highest ever recorded by Red El&#233;ctrica, highlight the significant progress of the ecological transition in Spain. The growth in installed capacity from renewable energy generation, along with Utility-Scale PV | Electricity | | ATB | NRELResource Categorization The ATB provides the average capacity factor for 10 resource categories in the United States, binned by mean GHI. Average capacity factors are calculated using county-level capacity factor averages Energy Storage Cost and Performance Database hydrogen energy storage pumped storage hydropower gravitational energy storage compressed air energy storage thermal energy storage For more information about each, as well as the related cost estimates, please click on European electricity prices and costs This data tool compares European electricity prices, carbon prices and the cost of generating electricity using fossil fuels and renewables. Where possible, data is provided by country. Spain sets new energy storage target of 22.5 GWThe Spanish government has set a new energy storage target of 22.5 GW in an energy strategy submitted to the European Commission. The nation aims to cover over Cost Projections for Utility-Scale Battery Storage: This work was authored by the National Renewable Energy Laboratory, operated by Alliance for Sustainable Energy, LLC, for the U.S. Department of Energy (DOE) under Contract No. DE

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