

Average office building energy storage price per 8MW in Spain

Why do we need energy storage systems in Spain?

Energy storage systems in Spain are a key element in the fight against climate change, as they help us to address the challenge of the energy transition. These systems make renewable energy production more flexible; and therefore help us to guarantee its integration into the Spanish electricity system.

How many buildings in Spain are energy efficient?

2.1. Building type In accordance with the structure of the Spanish building stock, records from the ICAEN energy performance certificate database included a total of 10,465 multi-family blocks (8.1%); 95,857 individual dwellings in multi-family blocks (73.9%); 12,654 single-family houses (9.8%); and 10,673 tertiary sector buildings (8.2%).

How much does storage cost in Spain?

Namely, from 43 EUR/MWh (lower case) to 52.5 EUR/MWh and from 47 EUR/MWh (high case) to 56.5 EUR/MWh. This is comparable with the 67 EUR/MWh LCOH for the TES with retail charges. In Spain, subsidies for storage will be granted through four calls under the PERTE ERHA1 scheme.

Which country has the most energy storage systems in Europe?

With more than 20,000 megawatts, Spain is the country with the largest number of energy storage systems in Europe measured by power, and has the second largest number of projects: 128 in total; second only to Germany's 169.

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.

How much energy does a building consume?

The primary energy consumption of buildings erected under the first thermal regulation in Spain, NBE-CT 79 (Spain, 1979), during the 1981-2007 period was 290.3 kWh p /m², whereas buildings constructed before 1980, when there were no thermal regulations in force, consumed an average of 336.3 kWh p /m² (Table 5).



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