



# Spanish power station energy storage electricity price





## Overview

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Electricity prices now stand at over EUR 0.30/kWh on average. 2.82 GW will receive EUR150 million under the program. A further 10 thermal storage sites will receive EUR6.48 million and add 88.35 MW/591.27 MWh of capacity to Spain's grid. All the projects will be operational.

Spain has launched an ambitious €700 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.

Day-ahead price spreads (see figure 3) on the Spanish wholesale electricity market have been comparable to those in the UK and Italy. In both of those countries, the long-term stable income stream from capacity market contracts is needed to create a sufficient return on investment. The absence of a

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

Or you can shower half the time. With the electricity price today in Spain you can save 0.23 € for each shower. Lighting is not the thing that uses the most electricity, but it can still be a good investment to switch to energy-efficient and LED lights. These provide up to 10x more light with the



This May, the Spanish electricity market has experienced an unprecedented moment. During the first half of the month, the daily average price in the wholesale electricity market stood at €14.7/MWh, the lowest level recorded for this time of year since records began. This historic drop is driven by. 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.

Why do we need battery energy storage systems in Spain?

Due to the large capacity of installed hydroelectric and thermal storage systems and the resilience of the Spanish power grid, the need for Battery Energy Storage Systems (BESS) in Spain has been relatively low. The lack of a clear regulatory framework for BESS has also hindered its development in Spain so far.

Why did Spain's electricity prices hit historic lows in May?

In May, Spain's electricity prices hit historic lows, driven by record solar energy production. Discover how this shift benefits Energy Nordic customers and signals a sustainable energy future.

How will Spain increase its energy storage capacity?

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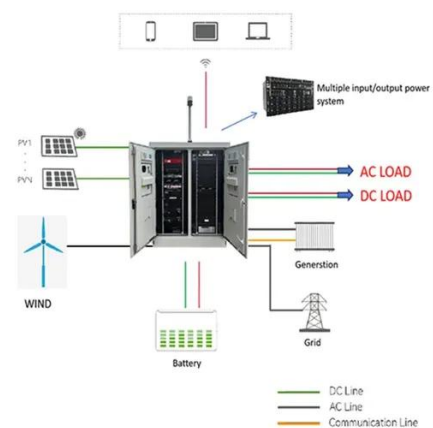


### Electricity in Spain

As of April 2025, it also had some of the lowest electricity prices in the region. In 2024, Spain's electricity demand stood at roughly ...

### [EU approves Spain's EUR700m energy storage ...](#)

The European Commission on Monday approved a new aid scheme for the deployment of large-scale electricity storage in Spain. ...



### [EU approves Spain's EUR700m energy storage subsidy plan](#)

The European Commission on Monday approved a new aid scheme for the deployment of large-scale electricity storage in Spain. Subsidies will be available for ...

### Backup power for Europe

In this report, we delve into the developments in the regulatory framework of the Spanish electricity system and explore the potential of Spain's battery energy storage systems ...



## Spain's EUR700 Million Plan to Boost Energy Storage and Renewable Power

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 ...

### Aurora

In Spain, subsidies for storage will be granted through four calls under the PERTE ERHA1 scheme. The PERTE ERHA includes storage, renewables and hydrogen and it is funded by ...



### Electricity in Spain

As of April 2025, it also had some of the lowest electricity prices in the region. In 2024, Spain's electricity demand stood at roughly 249 terawatt hours, a figure that has been ...

[Spanish storage investment to ease oversupply of renewables](#)



LONDON (ICIS)-Spain should prioritize investing in energy storage to prevent market volatility and balance surplus supply. With low Spanish demand levels for power and ...



### Electricity prices

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 ...

### Historic Drop in Electricity Prices in Spain , Energy Nordic

In May, Spain's electricity prices hit historic lows, driven by record solar energy production. Discover how this shift benefits Energy Nordic customers and signals a ...



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### [Average standalone energy storage price per 500MW in Spain](#)

How much power will Spain's energy storage projects add to the grid? The 45 battery and thermal energy storage projects allocated European Union subsidies will add more than 779 MW/3.4 ...

### [Electricity spot prices in Spain today, hour by hour](#)

Electricity spot prices in Spain today, hour by hour. Including prices for the last 30 days.





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