

## SolarGrid Energy Solutions

# Spanish photovoltaic energy storage policy



## Overview

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How will the European Commission support large-scale energy storage in Spain?

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 standalone energy storage sites, projects installed alongside renewable energy facilities, and storage planned as part of thermal power plants.

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.

Will Spain back energy storage?

A public consultation exercise about the proposed funding program opened on Monday and will close on Friday. Spain already backs energy storage with more than €600 million of NextGenEU funding which was allocated as part of Spain's, post-Covid Recovery, Transformation, and Resilience Plan.

What are the targets for photovoltaic energy in Spain?

The targets for photovoltaic (PV) energy in Spain are outlined in the "Integrated National Energy and Climate Plan" (PNIEC). The 2023 update of the PNIEC, published in September 2024, sets the following targets for 2025 and 2030: • Total PV target for 2025: 46,5 GWn • Total PV target for 2030: 76,3 GWn • Self-consumption PV target for 2030: 19 GWn.

How will Spain increase its energy storage capacity?

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.

How will the European Commission affect the photovoltaic industry in Spain?

The European Commission (EC) has presented 2 measures that will have an impact on the photovoltaic industry in Spain: The Net-Zero Industry Act (as a response to the US Inflation Reduction Act) and the REPower EU (as a response to the energy dependence).

## Spanish photovoltaic energy storage policy

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### Spain maintains solar leadership, but needs to

Spain's leadership in the European energy transition The abundance of wind and solar in Spain's energy mix reflects natural geographical advantages and ...

### UNEF warns of slowdown in Spain's storage market

Jul 22, 2025 · Spain's storage market lost momentum in 2024, with new capacity additions falling sharply despite strong uptake alongside solar. A recent legal reform aims to revive battery ...



### Spain, Netherlands launch subsidies for battery, ...

Feb 28, 2024 · Basquevolt's prototype plant for manufacturing solid-state batteries in Spain. Image: Basquevolt. Spain and the Netherlands have ...

## Spain sets new 2030 energy storage target of 22.5 GW

Sep 27, 2024 · The Spanish government has set a new 2030 energy storage target of 22.5 GW in an energy strategy submitted to the European Commission. The nation aims to cover over ...



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## Spain deploys 6.46 GW of new solar in 2024

Feb 4, 2025 · Spain's cumulative installed PV capacity reached 32 GW at the end of December 2024, following 6.46 GW of new annual solar additions.

## Spain Solar Market Report 2025

Feb 18, 2025 · Spain's solar energy sector has surged to 22.45 GW of capacity by early 2023, with ground-mounted solar farms driving 77% of new installations. ...



## EU approves Spain's EUR700m energy storage ...

Mar 19, 2025 · The European Commission on Monday greenlit a new



aid scheme to enable Spain to deploy large-scale energy storage with co-financing of up to ...

## Spain Rooftop Solar Country Profile

Apr 15, 2024 · This country profile highlights the good and the bad policies and practices of solar rooftop PV development within Spain. It examines and scores six key areas: governance, ...



## Photovoltaic regulation in Spain: challenges, changes, and the energy

Jun 18, 2025 · Discover how photovoltaic regulation affects energy security in Spain, the legal challenges, and the keys to effective renewable integration.

## Major Breakthrough in Spain's Energy Storage ...

Jul 1, 2025 · The Spanish Battery Energy Storage Association (AEPIBAL) stated

that the new regulation marks a major breakthrough for energy storage ...



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### Mexico announces battery storage mandate for ...

Mar 31, 2025 · A month after India introduced an energy storage mandate for renewable energy plants and China scrapped its own, Mexico has stepped ...

### Top five energy storage projects in Spain

Sep 10, 2024 · Global energy storage capacity was estimated to have reached 36,735MW by the end of 2022 and is forecasted to grow to 353,880MW by 2030. Spain had 88MW of capacity in ...



### Spanish Photovoltaic and Energy Storage

Is solar energy the second largest energy source in Spain? In 2023,solar

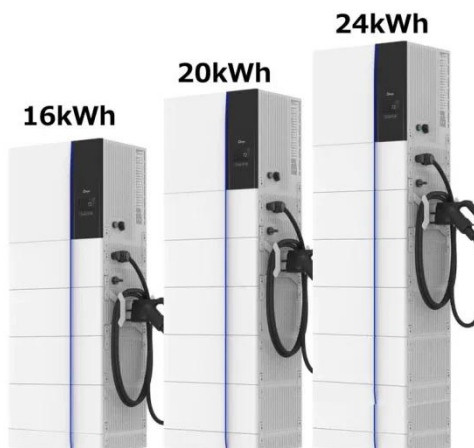
photovoltaic energy,for the first time ever,became the second largest energy source,accounting for 20.8 %of the total

...



## Spain's EUR700 Million Plan to Boost Energy ...

Jun 3, 2025 · 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 ...



## Renewables accounted for 54.1% of total ...

Mar 11, 2025 · In February, renewables generated 11,543 GWh in Spain and reached a share of 54.1% of the total, while 76.3% of the electrical energy was

...

## Spain's Rooftop Solar Shift: Battery Energy ...

Jul 8, 2025 · Spain's energy storage sector is evolving -- not just in size, but

in strategy. New data from the Spanish Photovoltaic Union (UNEF) paints a ...



### **Spain sets new 2030 solar target of 76 GW**

Sep 25, 2024 · The Spanish government has set a new 2030 solar target of 76 GW in an energy strategy submitted to the European Commission. It aims to ...

### **Why does Spain lead in photovoltaic energy?**

Jul 18, 2025 · Economy: Photovoltaic energy contributes directly to Spain's GDP. In addition, photovoltaic technology in Spain has reached the highest level in the world. grid parity, which ...



### **Spain passes legislation to boost energy storage and solar ...**

Aug 19, 2025 · To promote energy storage development, the decree



proposes to speed up project permitting and even exempt facilities located in renewable energy sites that have received ...

## Spanish govt approves energy storage strategy, ...

The Spanish government on Tuesday approved the energy storage strategy, targeting some 20 GW of storage capacity in 2030 and reaching 30 GW by ...

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FLEXIBLE DEPLOYMENT



## Spain & Italy , BESS Premium Opportunities in Renewables

May 26, 2025 · Spain and Italy present a EUR45 million opportunity for BESS insurance premiums. Discover how NARDAC supports renewable energy projects in these regions.

## Solar becomes Spain's top power source in 2024 ...

Mar 26, 2025 · Spain's solar PV capacity reached 6 GW in 2024, making it the

country's top power source with a 25.1% share, surpassing wind at 24.9%. ...



### **Spain publishes guidance on EUR750 million ...**

Jul 30, 2024 · The Spanish Ministry of Ecological Transition (MITECO) has published the regulatory basis for the EUR750 million (US\$812 million) incentive ...

### **EU approves Spain's EUR700m energy storage subsidy plan**

Mar 18, 2025 · 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 ...



### **Unlocking Opportunity**

Nov 22, 2024 · Analysing Spain's battery storage landscape LCP Delta and Santander Corporate & Investment

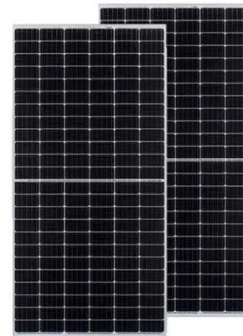
Banking Providing insight, analysis and finance to support the global energy ...



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## Spanish energy storage policy

Spanish energy storage policy Why did Spain announce a new energy storage strategy? The Spanish government announced its support for the development of technology for energy ...



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## Spain approves legislation to encourage energy ...

Jun 25, 2025 · "New innovative measures are being introduced to streamline processing and reduce bottlenecks in flexibility and storage," Spanish minister ...

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## Spain approves legislation to encourage energy storage, ...

Jun 26, 2025 · Approved on 24 June by the Spanish government, the Royal

Decree-Law 7/2025 contains measures that aim to strengthen the resilience of the country's electrical system, ...



### **UNEF warns of slowdown in Spain's storage market**

Jul 22, 2025 · The Spanish market for battery storage in solar self-consumption declined in 2024. According to the Spanish Photovoltaic Association (UNEF), only 327 MWh of capacity was ...

### **Spain hits 65.8 GW of solar projects with grid ...**

Apr 25, 2025 · Spain had approximately 129.57 GW of renewable energy projects with grid-connection permits by the end of March 2025, according to the latest ...



### **Spain's 2025 Energy Storage Policy: Powering Renewable ...**

With solar generation jumping 23% last year alone [1], the country's facing a

sort of "good problem" - renewable overproduction during peak sunlight hours. But here's the kicker: energy ...



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## Energy storage: the definitive solution to the ...

Dec 6, 2024 · Ainhoa Jiménez, director of storage, hydrogen, and new development at the Spanish Solar Photovoltaic Association (UNEF) discusses ...



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## Spain Energy Storage Program Launches with ...

Jun 3, 2025 · Spain has launched a EUR700 million energy storage program to support battery, thermal, and pumped hydro projects, aiming to deploy 2.5-3.5 ...

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## Port of Spain photovoltaic energy storage

Are floating solar PV and wind power technologies suitable for Green Port

goals? These challenges include the high initial investment cost, technological limitations, and lack of ...



### **Spain Unveils 820 MW Solar Energy Storage for ...**

Jan 14, 2025 · Spain has announced 820 MW of energy storage projects for Q4 2024, with 182 MW focused on hybridizing solar and wind installations.

...

### **Batteries paired with 26% of new rooftop PV in Spain in 2024**

Jul 7, 2025 · The deployment of batteries for rooftop PV systems under Spain's self-consumption regime declined 34%, year on year, in 2024, with 327 MWh installed, according to data from ...



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