

Spain's photovoltaic project energy storage policy

How much money will Spain spend on energy storage projects?

Spain's ministry for the ecological transition said on Friday it will allocate EUR 700 million (USD 799.4m) in grants through competitive tendering to support large-scale energy storage projects in an effort to improve grid flexibility and integrate more renewables. Vanadium redox flow battery installed at the Son Orlandis solar farm in Mallorca.

How will Spain increase its energy storage capacity?

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.

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.

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

From ESS News 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 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:

- o Total PV target for 2025: 46,5 GWn
- o Total PV target for 2030: 76,3 GWn
- o Self-consumption PV target for 2030: 19 GWn

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).

Spain's Ministry for Ecological Transition and Demographic Challenge (MITECO) has issued favorable environmental impact statements ...

The target for energy storage has been increased from 20GW in the previous NECP to 22.5GW by 2030. Image: Iberdrola. Spain has increased its energy storage target by ...

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In 2023, installed solar photovoltaic power increased by 28%, bringing an additional 5,594 MW to the Spanish generation pool, the highest figure since records began. ...

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The ministry expects the selected projects to attract investments of around EUR 570 million, while contributing to Spain's target of reaching 22 GW of energy storage by 2030, in line with the ...

Major Breakthrough in Spain's Energy Storage Policy: Energy Storage Explicitly Classified as "Public Utility" The Spanish government approved Royal Decree 7/2025 on June ...

The Official State Gazette for the second week of December contains announcements corresponding to 8 photovoltaic and hybrid projects for 1.32 GW, including ...

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

A review of energy efficiency in ports: Operational strategies In this project, the energy generated by renewable sources in the port area and the electricity from grid are stored in the ...

Major Breakthrough in Spain's Energy Storage Policy: Energy Storage Explicitly Classified as "Public Utility" The Spanish government ...

The project will be built in the Spanish region of Castile-Leon, west of Valladolid, spanning a total area of 163 hectares. Development of co ...

A public consultation exercise about the proposed funding program opened on Monday and will close on Friday. Spain already backs ...

By 2030, Spain expects to install 22.5 GW of energy storage projects, including included battery energy storage, pumped hydropower and solar thermal plants. The plan also ...

The plan includes the installation of 22.5 GW of storage capacity by 2030, covering batteries and pumped storage systems, to ensure grid stability ...

The scheme aims to deploy between 2.5 and 3.5 gigawatts (GW) of new storage capacity, enhancing the flexibility and resilience of the national power system while enabling ...

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But here's the thing - Spain's betting big that storage will cement its position as Europe's renewable leader. With neighboring countries like Portugal and France eyeing similar reforms, ...

Considering Spain's 22.5 GW target of energy storage by 2030, OWC brings deep expertise to the Spanish market, drawing on experience ...

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The plan includes the installation of 22.5 GW of storage capacity by 2030, covering batteries and pumped storage systems, to ensure grid stability and security of supply.

Spain's ministry for the ecological transition said on Friday it will allocate EUR 700 million (USD 799.4m) in grants through competitive tendering to support large-scale energy ...

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 ...

More than 182 MW of the battery energy storage systems (BESS) highlighted in Spain's Official State Gazette (BOE) are for hybridization with existing solar and wind ...

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 ...

On June 24, 2025, the Spanish government officially approved Royal Decree No. 7/2025, which aims to enhance the resilience of the national power system through a series of ...

Grid congestion in Spain could hinder the growth of solar PV and solar-plus-storage, which is forecast to reach 78GW of installed capacity by ...

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Renewable energy will cover almost half of the world's electricity demand by 2030, according to the Renewables 2024 report by the International Energy Agency (IEA), thanks to ...

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