



SolarMax Energy Systems

Spain's photovoltaic energy storage policy

ESS



Overview

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 does Spain support self-consumption solar PV?

Spain has implemented various support measures to encourage the adoption of selfconsumption solar PV systems:

- Capital Subsidies: The Spanish government, through programs like the Next Generation EU funds, has provided subsidies to offset the initial costs of installing solar self-consumption.

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).

Will Spain strengthen its electricity system after a power outage?

The Spanish government has approved legislation to strengthen its electricity system following the major power outage the country experienced in April.

How did Spain support self-consumption PV installations in 2023?

The primary support mechanisms for self-consumption PV installations in Spain during 2023 were regional capital subsidies (phased out by year-end) and income tax credits. New initiatives focused more on encouraging self-consumption and prosumer participation rather than reintroducing discontinued schemes like feed-in tariffs.

Who enforces the voltage control regulations in Spain?

Spanish independent competition regulator, the National Markets and Competition Commission (CNMC), will enforce the regulations. The watchdog will have to compile a monitoring report on compliance with the voltage control obligations of all operators who are obliged to do so. The report must be presented within six months.

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Spain's Solar Power Policy Framework: IEA Survey

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

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Spain passes legislation to boost energy storage and solar

...

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 ...

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Spain's New Energy Law Boosts Commercial and Industrial Energy Storage

In a decisive move to future-proof its power infrastructure, Spain has introduced sweeping legislative reforms aimed at strengthening energy security, accelerating the ...

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Spain Launches EUR700 Million Energy Storage Scheme to ...

The latest scheme is also expected to strengthen domestic industrial capacity to produce, assemble, and maintain storage technologies, following Spain's success in wind and ...



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Major Breakthrough in Spain's Energy Storage Policy: Energy Storage

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 ...

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Spain targeting 56 GW of new solar by 2030 under ...

To meet these targets, the new energy strategy outlines a plan to have 214 GW of total installed capacity in the electricity sector by 2030. This ...

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Spain sets new 2030 energy storage target of 22.5 GW

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 ...

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

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 ...

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Spain's New Energy Law Boosts Commercial and Industrial ...

In a decisive move to future-proof its power infrastructure, Spain has introduced sweeping legislative reforms aimed at strengthening energy security, accelerating the ...

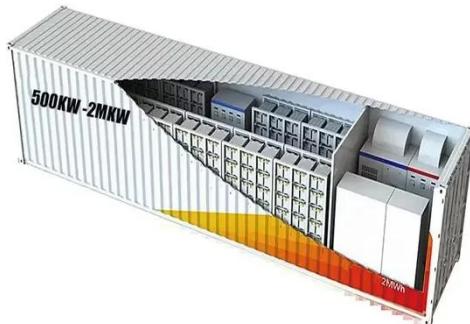
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Spain's 2025 Energy Storage Policy: Powering Renewable ...

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, ...

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Spain-Portugal blackout exposes Europe's green ...

The Spain-Portugal blackout on April 28 showed that rapid green energy adoption without grid stability measures can spark nationwide crises. ...

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Photovoltaic regulation in Spain: challenges, changes, and the ...

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

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Major Breakthrough in Spain's Energy Storage Policy: ...

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



government ...

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Energy storage 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 ...

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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 ...

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Spain's Solar Power Policy Framework: IEA Survey

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.

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Iberdrola to install 150MW battery storage systems in Spain

Iberdrola is set to enhance Spain's energy storage capabilities by installing six BESS installations with a total capacity of 150MW. The projects will be located across Castilla ...

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Spain increases energy storage target in NECP to 22.5GW by 2030

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, Spain implemented the largest installed solar photovoltaic



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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Aurora

Overview of the study: policy considerations While Spain has storage capacity target of 20 GW by 2030, specific regulatory policies targeting deployment of long-duration storage are needed

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Spain targeting 56 GW of new solar by 2030 under new energy ...

To meet these targets, the new energy strategy outlines a plan to have 214 GW of total installed capacity in the electricity sector by 2030. This includes 160 GW from renewable ...

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

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

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Spain approves legislation to encourage energy storage and

...

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, ...

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DETAILS AND PACKAGING

Minister: Behind-the-meter storage eligible for Spanish ...

There was only one policy announcement of note, in the face of numerous industry demands, at Spain's third Green Hydrogen and Storage ...

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EU approves Spain's EUR700m energy storage subsidy plan

A public consultation exercise about the proposed funding program opened on

114KWh ESS        

Monday and will close on Friday. Spain already backs energy storage with more than EUR600 ...

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Exploring renewable and solar energy trends in Spain

Our trend report reveals Spain's solar power and renewable energy preferences, including bifacial modules, string inverters, tracker structures, ...

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