

## European Solar and Energy Storage Solutions

# Spain energy environment solutions



## Overview

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Are Spain's new solar power plants sustainable?

Threatened by climate change, Spain is turning to renewable energy, and its new power plants are setting the standard for sustainability. Near Totana, in southern Spain, the fields shine with the sunlight reflected off thousands of solar panels.

Can Spain's green energy exceed demand?

Spain's green energy can exceed demand The patchwork plains of Castilla-La Mancha, in central Spain, were once known for their windmills. But now it is wind turbines, their modern-day equivalent, which are much more visible on the region's skyline.

Why is energy renovation important in Spain?

Energy renovation is vital for employment and green recovery in Spain. The Spanish Government is required to draw up a Building and Urban Renovation Plan. It is important that this plan includes ambitious energy-saving goals and an objective for at least 30% of renovated buildings to belong to vulnerable individuals.

Why is the fossil fuel industry a problem in Spain?

**PROBLEM:** The fossil fuel industry is the major environmental problem globally and the source of many of the challenges in Spain shown below. Fossil fuels – coal, oil and gas – are by far the main cause of climate breakdown, accounting for more than 75% of global greenhouse gas emissions and almost 90% of all carbon dioxide emissions.

Does Spain have a target for reducing non-ETS emissions?

Under the Effort-sharing Regulation (ESR) for the 2021-2030 period, Spain has committed to reducing non-ETS emissions by 26 % (compared with 2005). However, Spain plans to overachieve this target and reduce emissions by 39

%, to reach its 2030 target of reducing total emissions by 23 % compared with 1990.

How much energy does Spain import?

Spain's dependency rate on energy imports stood at roughly 74 percent in 2022, meaning that the country imported almost three-quarters of the total primary energy consumed, while only 25 percent came from domestic sources.

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### 10 environmental challenges in Spain from above

Here we take a closer look at 10 major environmental problems in one country, Spain -- and proposed solutions to tackle the immediate crises and shift towards sustainable living. Do you recognise similar challenges where you live?

### Business Lines in Spain

Commercialisation: We offer complete energy solutions for customers in Spain. Through its marketing company, Iberdrola España offers a variety of products and services that promote efficiency, energy savings and care for the environment. Our knowledge and experience in digital, intelligent, and innovative solutions supports us in providing the best service to our customers.



### SPAIN

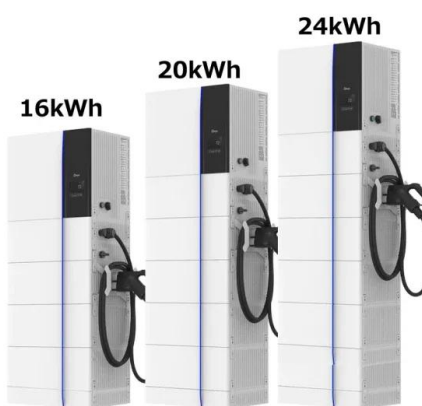
Solar solutions installed on your roof or grounds are ideal for harnessing the sun's energy. Not only do they save electricity costs, but they also help you fulfill your role as a responsible citizen by contributing positively to the environment. If

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### Spain to set more ambitious 2030 emissions reduction

## target, ...

The plan was formally adopted in 2021, before Russia's invasion of Ukraine upended the energy market and sparked Herculean efforts to wean the EU off Russian gas and speed up the green transition.



## Homepage Spain

The group is present in Spain through generation, distribution and commercialization of electricity, gas and utility services. a photographic project that shows the point of view that you, runners, have of your environment. Places that only you, because you are running, can get to see and experience. Energy Solutions. EDP Smart. Italy

## Energy solutions for clients in Spain

Solar energy solutions for customers in Spain  
 Solar energy Solar power plants in Extremadura  
 range of energy solutions for customers in Spain  
 that guarantee efficiency and energy savings  
 without neglecting the environment. We offer  
 you comprehensive services and products that  
 adapt to your individual needs as well as those of  
 your company



## Ten key points of Spain's Climate Change and Energy ...

The Climate Change and Energy Transition Law is not the ambitious starting point Spain needs. We must strengthen the law to abandon fossil fuels and advance towards an ecological transition

and a fair and green recovery.



## Party preferences for climate policy and the renewable energy

The growing influence of regional governments in shaping climate policy and driving the renewable energy transition in multilevel democracies like Spain provides incentives for parties in favor



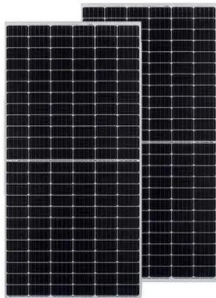
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## Climate action in Spain

In 2019, Spain accounted for total GHG emissions of 333 MtCO<sub>2</sub>e, representing close to 9 % of total EU emissions. Between 2005 and 2019, Spain reduced its emissions by almost 27 %, well above the EU-wide achievement of a 19 % reduction. Emission cuts in energy industries accounted for 59 % of total emission reductions.



## Solar energy solutions for customers in Spain

Solar Communities, a collaborative and local model for energy consumption. If you want to benefit from the sun's energy but don't have solar panels, you can by joining a solar community. A collaborative and local energy consumption model so you can use solar energy with no investment, no installation and no commitment: Iberdrola España will take care of everything.

## ?VIRTUS Environment -- Consulting Organization from Spain -- Energy

Virtus means Energy in Latin. Before the creation of this company, back in 2007, the founders had a clear idea of the two axes that would guide their professional lives: Energy and Environment. VIRTUS Environment is an engineering company specialized in developing high technology solutions in the environment and energy sectors. It is a young



## Energy efficiency in Spain

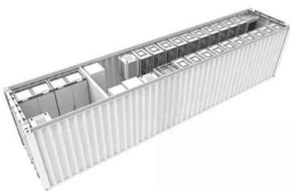
Energy Efficiency for Business in Spain. Is your business energy efficient? We help you to make



an energy diagnosis and offer you solutions for energy use that allow you to save and take care of the environment. Our Smart Business Assistant is one of the energy efficiency solutions we offer to our customers in Spain. This service allows you to

## Too much of a good thing? Spain's green energy can exceed demand

Spain's total wind generation capacity, its prime renewable source in recent years, has doubled since 2008. Solar energy capacity, meanwhile, has increased by a factor of eight over the same



## Valencia, Spain: Decarbonization through innovative ...

To achieve greater energy efficiency and deploy renewable energy, the city government sees an opportunity in upgrading the built environment. Valencia's many flat roofs hold promise for rooftop solar, while ...

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