



Utility scale ESS project financing options in Spain 2030

How much energy storage will Spain have by 2030?

In its National Energy and Climate Plan (NECP), the Spanish government aims to have 22.5GW of energy storage by 2030 (see table 1). This amount of storage capacity will be needed to integrate the growing capacity of intermittent generation.

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.

Does Spain need a Bess energy system?

Currently, Spain has 6.3GW of hydroelectric and 1GW of thermal storage capacity installed. In fact, the non-BESS storage capacity in Spain is higher than in any other European country. As a result, the need for BESS to integrate renewable energy sources into the electricity system is less immediate than in the UK, for example.

Will Spain have a solar power system in 2030?

A power system heavily solar dependent in 2030 will require high levels of short duration battery storage installed in Spain in the near future. Spain is relatively isolated from other markets and only has limited import and export capacity to France, Portugal and Morocco.

Can Spain deploy large-scale energy storage with co-financing of 85%?

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 85%. The European Commission on Monday approved a new aid scheme for the deployment of large-scale electricity storage in Spain.

How many Bess projects are there in Spain?

In March 2025, UK companies Renewco and Atlantica announced the development of up to 2.2GW of BESS projects across Spain. Other projects in the pipeline primarily involve storage co-located with solar or wind generation. According to BloombergNEF, the total capacity currently in the BESS pipeline is around 3GW.

By end-user application, utility-scale systems accounted for 57% of the battery energy storage system market size in 2024, whereas residential deployments are expected to grow at 19.5% CAGR to 2030.

With 106.1 GW of additional utility-scale solar projects in announced or pre-construction status, Spain could achieve its 2030 solar target by bringing less than a quarter of these existing ...



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More than \$600m for four US utility-scale batteries Recurrent Energy, Jupiter Power and Peregrine Energy Solutions have secured finance for a cumulative 550 MW of utility ...

Spain is relatively isolated from other markets and only has limited import and export capacity to France, Portugal and Morocco. This means that Spanish storage faces limited competition ...

Sacramento, CA--SMUD's long-duration battery storage project in partnership with ESS Tech, Inc. has been awarded a \$10 million grant from the California Energy ...

24 June 2025, MADRID -- Global energy storage owner-operator BW ESS and Getxo-based energy storage developer Ibersun have signed a joint venture to develop, in its first phase, ...

BW ESS and Ibersun have formed a joint venture to develop utility-scale battery energy storage system (BESS) projects across Spain. The joint venture of the companies is ...

As Spain races to meet one of Europe's most ambitious energy storage targets while its grid remains under scrutiny following the April 28th outage, global energy storage owner-operator BW ESS has made its entry into ...

Such projects must incorporate renewable resources and can only be funded with additional energy storage. Each project and each developer can receive a maximum of 15 million euros. ...

European Market Outlook for Battery Storage 2025-2029 7 May 2025 The report explores trends and forecasts across residential, commercial & industrial (C& I), and utility ...

Meanwhile, as utility-scale storage projects in Spain, Belgium, and other countries, gradually come online in 2025, the European market will shift from being dominated ...

The 450 to 620 gigawatt-hours (GWh) in annual utility-scale installations forecast for 2030 would give utility-scale BESS a share of up to 90 percent of the total market in that year (Exhibit 2).

Energy Storage Systems (ESS) Market Size The Global Energy Storage Systems (ESS) Market size was USD 8.47 Billion in 2024 and is projected to touch USD 9.5 ...

The case for long-duration energy storage remains unclear despite a flurry of new project announcements across the US and China. Global energy storage's record additions in 2023 will be followed by a 27% compound ...

Global energy storage owner-operator BW ESS and Spanish energy storage developer Ibersun have signed a joint venture to develop, in its first phase, 2.2GW of utility-scale battery energy storage system (BESS) ...



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These projects will be owned equally by BW ESS and Ibersun. The partners expect each project to achieve ready-to-build status within two years and "anticipate pursuing a ...

In 2025, Spain is expected to climb to become a top-5 European battery market. 1.3 GWh of solar is set to be installed, thanks to the utility-scale segment revival. At the end of ...

With 106.1 GW of additional utility-scale solar projects in announced or pre-construction status, Spain could achieve its 2030 solar target by bringing less than a quarter of these existing proposals (24.7 GW) online in the next six years.

In 2019, the first large grid-scale ESS project was commissioned at Tata Power Delhi Distribution Ltd (TPDDL), Rohini Substation in New Delhi for 10 MW - 10 MWh for ...

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 85%.

Flow batteries, which use liquid electrolytes, are also becoming popular for large-scale, long-duration energy storage, particularly in grid applications. These innovations are critical as they provide diversified options ...

Global energy storage owner-operator BW ESS has partnered with Spanish developer Ibersun to launch a joint venture that will deliver 2.2 gigawatts (GW) of utility-scale ...

Global energy storage owner-operator BW ESS and Getxo-based energy storage developer Ibersun have signed a joint venture to develop, in its first phase, 2.2GW of ...

Energy storage companies BW ESS and Ibersun have signed a joint venture agreement to develop utility-scale battery energy storage systems (BESS) across Spain, ...

The German electricity storage developer BW ESS and the energy infrastructure developer Italian ACL Energy have committed to extend their partnership to co ...

Egypt's first utility-scale battery, Africa's biggest solar-plus-storage project underway Two major announcements within just five days signal the rapid acceleration of ...

Battery energy storage systems can address the challenge of intermittent renewable energy. But innovative financial models are needed to encourage deployment.



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