

## Global PV Storage Insights

# Successful bid price of portable ESS system project in Italy 2030



## Overview

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Which countries will be able to run a Bess battery in 2030?

Covering 28 markets, the report finds that Italy's target of 50 GWh battery capacity by 2030, as well as the country opening up its ancillary markets to BESS, puts it ahead of the pack. In the United Kingdom, Aurora estimated installed BESS capacity on Great Britain's electricity grid would more than double by 2030, up from 4.3 GW to 10.6 GW.

Is Bess a good investment in northern Italy?

While Northern Italy currently has the largest installed BESS capacity in the country, a build-out of RES in the South is increasing energy price volatility, creating a more compelling investment case for BESS in this region.

What is the business case for Bess in Italy?

Revenue Streams for BESS: The business case for BESS in Italy is underpinned by four main revenue streams: wholesale trading, the Ancillary Services Market (MSD), the Capacity Market (MC), and the new energy storage subsidy scheme (MACSE).

How long does a BW ESS project last?

The average 8-hour duration is split across BESS and pumped hydro projects, with most BESS announced having 4 to 6-hour durations. BW ESS CEO Erik Stromso discussed the firm's broad strategy and the Italian market in an interview earlier this year (Premium access).

How long does a Bess project last?

That figure is in addition to distributed energy storage resources – a large segment in Italy – and grid-scale projects already procured through previous capacity market and ancillary service auctions. The average 8-hour duration is split across BESS and pumped hydro projects, with most BESS announced having 4 to 6-hour durations.

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### BW ESS, ACL expand Italy BESS partnership ...

The 14 projects are spread throughout the country and all have grid connections and land secured and are now looking to obtain construction permits, BW ESS said. Seven of the projects, totalling over 1GW, are under ...

### Italy approves 10 GWh quota for first MACSE storage ...

Italy approves 10 GWh quota for first MACSE storage auction National grid operator Terna has indicated that figure may come in to reflect projects which come online before the tender is staged.



### BW ESS and ACL Energy will develop 3 GW of BESS capacity in Italy

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

### Evolution of Grid-Scale Energy Storage System Tenders in ...

Realising the importance of ESS, the government has come up with several initiatives and policy support for the sector. The government has

waived Inter-state transmission system (ISTS) ...



## Italy needs 71GWh of new grid-scale energy storage ...

An operational PV plant in Italy. Image: NextEnergy Capital. A total of 71GWh of new grid-scale energy storage needs to be deployed in Italy by 2030 for it to decarbonise its energy system in line with the EU targets. ...

## The standalone energy storage market in India , IEEFA

Standalone Energy Storage Systems (ESS) are rapidly emerging as a key market, with 6.1 gigawatts of tenders issued in the first quarter of 2025 alone, accounting for 64% of the total utility-scale energy storage ...



## MACSE auction to take place on September 30, Italy's grid ...

...

Terna calculated Italy will need 10 GWh of energy storage capacity to maintain reliable grid electricity supply in 2028. That figure, or slightly less, will be the amount available ...

## Italy Energy Storage Price Forecast Released

Clean Horizon has released its latest Energy Storage Price Forecast for Italy, providing valuable insights into one of Europe's most dynamic emerging markets for battery ...



## ESS Prices Plummet to Historic Lows

In March 2024, ESS bid prices varied depending on their storage capacity, with an overall downward trajectory evident, particularly in the case of four-hour ESS bids, which hit yet another all-time low.

## Review 2024 , The "Best" of Global ESS Projects and Orders

[Review of 2024 , The "Most" of Global ESS Projects and Orders] Global demand for energy storage is accelerating rapidly. On one hand, the selling prices of ESS ...



## nTeaser: Investors increasingly interested in solar ...

'Many of the indicative offers submitted through nTeaser are conditional on successful participation in [the] MACSE [Mercato a termine degli stoccaggi, auction], highlighting the central role of this mechanism in de-risking ...

## Italy to hold first energy storage capacity auctions in ...

The energy minister of Italy has signed a decree paving the way for an energy storage capacity auction to kick off in the first half of 2025.



## CIP enters Italian market with 2.3 GW BESS pipeline

The Danish infrastructure investor has joined hands with GCSS to develop the pipeline of large-scale, standalone battery energy storage projects across both northern and ...

## ACL Energy and BW ESS expand Joint Venture to ...

November 21, 2024 ACL Energy and BW ESS have announced a significant expansion of their joint project development pipeline for stand-alone, utility-scale battery energy storage systems (BESS) in Italy. Building on their initial ...



## Italy's Energy Transition: How Grid-Scale Batteries are Powering ...

Italy is making significant strides toward a renewable energy future, and at the heart of this transition is the critical role of energy storage systems (ESS). With the country ramping up its ...

## Jinko ESS Secures Grid-Scale Energy Storage ...

The projects will deploy Jinko ESS's G2 5MWh liquid-cooled containerized systems in October 2025 and in March 2026 respectively, providing frequency regulation and renewable energy integration services for Italy's ...



## PV and ESS in Japan's changing energy market ...

Figure 2. RTS PV system price forecast toward FY 2030 under accelerated scenario. Image: RTS Corporation. Looking ahead, Kaizuka says that new products and business models are emerging in Japan, bit by bit.

## BW ESS, ACL expand Italy BESS partnership sevenfold to ...

A render of a BESS project that was provided by BW ESS when the partnership was initially announced in February. Image: BW ESS. BESS owner-operator BW ESS and ...

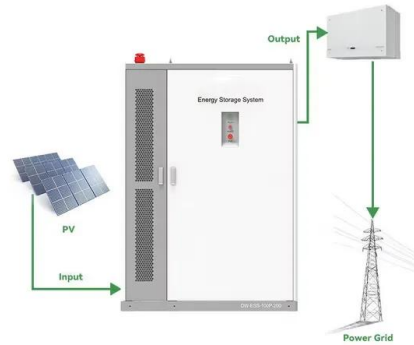


## Projects

In Italy, we have partnered with ACL Energy, a Milan-based BESS developer, on 14 development stage projects totalling 2.9 GW. Our portfolio is focused on large capacity (>100 MW) and longer duration projects (4-8 hours) located in the ...

## Jinko ESS Secures Two Major Grid-Scale Energy Storage ...

Recently, Jinko ESS has successfully won two 5MWh grid-scale energy storage projects in Italy, marking its official entry into the Italian large-scale storage market.

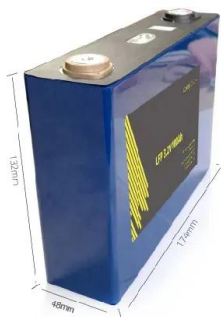


## ACL Energy, BW ESS and Penso Power form Italian ...

Three projects in Italy's Lombardia, Piemonte, and Puglia regions 14 February 2024, ITALY / UK / SINGAPORE - ACL Energy, a Milan-based battery energy storage developer, today announces a joint venture ...

## Terna allocates 43 GW in Italian capacity market auction for 2027

Italy's transmission system operator (TSO) Terna has announced the results of its capacity market auction for the delivery year 2027. It has allocated 38.04 GW of existing ...



## Global news, analysis and opinion on energy storage innovation ...

Subscribe to Newsletter Energy-Storage.news meets the Long Duration Energy Storage Council Editor Andy Colthorpe speaks with Long Duration Energy Storage Council director of markets ...

## Italy outlines national energy-storage auction requirements

Italian grid operator Terna has published an FAQ document to clarify some of the aspects of the "Macse," energy-storage system (ESS)-dedicated national auction planned ...



## How Italy is Driving BESS Investment

While Northern Italy currently has the largest installed BESS capacity in the country, a build-out of RES in the South is increasing energy price volatility, creating a more compelling investment case for BESS in this region.

## MACSE auction to take place on September 30, Italy's ...

Terna calculated Italy will need 10 GWh of energy storage capacity to maintain reliable grid electricity supply in 2028. That figure, or slightly less, will be the amount available to developers who participate in the country's ...



## Update on Italian BESS investment case & MACSE ...

We look at the BESS investor impact of the latest system operator targets as well as setting out 4 BESS business models & MACSE bidding strategy considerations

## EU approves Italy EUR17.7 billion state aid for energy ...

The European Union Commission has approved a state aid scheme aiming to fund the rollout of over 9GW/71GWh of energy storage in Italy.



## Italian Energy Storage System Project Bidding: What You Need ...

In the first 100 words, let's cut to the chase: Italy aims to deploy 71 GW of renewable capacity by 2030, creating a gold rush for battery storage and smart grid projects.

## Italy approves 10 GWh quota for first MACSE storage auction

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## Italy, Great Britain and Germany most attractive battery markets ...

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