



Container energy storage project financing options in Italy 2025

What will MACSE do in 2025?

Much larger projects are expected to come online in the next few years, driven by MACSE. Image: Trina Solar. Minister of the environment and energy security Gilberto Pichetto has signed a decree allowing Italy to proceed with its energy storage capacity auction, known as MACSE, in the first half of 2025.

Why is Italy focusing on advanced storage technology?

In the broader EU landscape, where there's a collective push for 42.5% renewables in energy consumption by 2030, Italy's focus on advanced storage tech sets them apart from EU neighbours still heavily invested in traditional grid upgrades.

What is the EU energy storage programme?

It will be led by transmission system operator (TSO) Terna. The EU approved a EUR17.7 billion package to fund the programme in December 2023, and Terna is aiming for it to support the deployment of 50GWh of energy storage by 2030, which is lower than the initial 71GWh forecast.

How much storage capacity does Terna need for 2028?

Terna has identified a target of 10 GWh of additional storage capacity for 2028 to be financed through MACSE. The maximum and minimum requirements for each of the 6 MACSE zones are summarised in Chart 1. Some important context on volume procurement:

The non-recourse debt financing will also cover the co-location of a battery energy storage system in Italy. Image: Recurrent Energy via LinkedIn.

In a big week for the grid-scale energy storage market in Italy, regulators have approved new grid storage-specific auction rules and a chunk of Aura Power's 500MW-plus pipeline of BESS ...

The Italian energy market is marking another milestone with the addition of two battery energy storage system (BESS) projects in Sicily. With a combined capacity of 162 MW, ...

See The IRA at a Year and a Half: IRS Guidance and Impact on the Energy Storage Industry. While lenders may need to undertake additional diligence before financing an energy storage project, the project finance ...

In our view, there is a need for greater collaboration between sponsors developing the batteries, regulators and national policymakers setting renewable targets, and the financing community ...

The rapid evolution of the utility-scale battery energy storage systems (BESS) market in Australia, Europe and the US has seen the emergence of a wide range of offtake products. These arrangements offer opportunities for



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A sun-drenched Italian village where solar panels gleam on rooftops, while giant battery systems hum quietly underground. By 2025, this could be Italy's new normal. As the ...

MIAMI, June 4, 2025/PRNewswire/ -- Enfinity Global Inc., a leading renewable energy company, has sold c. 49% minority interest in two large-scale battery energy storage system (BESS) ...

The most relevant recent development for BESS operators in the Italian market is the introduction of MACSE. MACSE is a new capacity auction which offers 15-year contracts for energy storage projects. The first MACSE ...

Italian renewable energy developer GreenGo has received authorisation for two new battery energy storage system (BESS) projects, adding 80 MW of planned capacity in ...

In part 1 of our series on backup power in Europe, we named Italy as one of the most attractive European countries for BESS investments. The Italian electricity sector is ...

The container shipping industry is undergoing significant transformations, driven by technological advancements, sustainability efforts, and the need for enhanced efficiency. As we approach 2025, several key ...

As such, we're providing this "Cheat Sheet for Energy Storage Finance" based on our work as buy-side and sell-side investment bankers experienced in both energy storage venture capital and project finance. I'm ...

N2OFF Completes \$1.2 million of its \$2.7 million Total Commitment to Finance 196MWp Battery Energy Storage Assets in Italy Provided by GlobeNewswire Jul 11, 2025, ...

Top 10 Energy Storage Developers in Italy: discover market leaders, buying and selling opportunities, and financing options on PF Nexus.

Similar to other renewable energy projects, the addition of construction bridge debt provides an additional source of capital to pay construction costs, but also adds complexity to the project financing of an ...

With containerized storage systems becoming the backbone of grid flexibility, Italy's energy transition story offers lessons for the entire EU. Let's unpack why companies are racing to ...

Minister of the environment and energy security Gilberto Pichetto has signed a decree allowing Italy to proceed with its energy storage capacity auction, known as MACSE, in the first half of 2025.



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Project authorisation process must be completed by 26 th August 2025: all stand-alone BESS projects authorised by this date will be eligible for 2028 MACSE auction ...

The second edition of RENMAD Storage Italia (April 2-3, 2025) will bring together leading experts and industry leaders to discuss the evolving energy storage landscape, exploring both the ...

By 2025, this could be Italy's new normal. As the country races toward its 2030 renewable energy targets, energy storage in Italy 2025 isn't just a buzzword--it's the secret ...

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

First up is the lithium-ion battery energy storage systems (BESS) phase, launching in early 2025, with pumped hydro energy storage (PHES) projects following in a ...

The European Commission has given its approval for a support initiative aimed at funding extensive energy storage projects in Italy. These projects are intended to have a ...

This diverse group of stakeholders underscores the growing support for energy storage as a critical component of the future energy infrastructure. Mufasa stands out as the largest utility-scale battery storage ...

Paths to Success: Comprehensive Strategies for Developing, Financing, Building and Operating Utility-Scale Energy Storage Projects in Italy Italy's ambitious energy ...

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