

What's going on with battery energy storage in Italy?

Since it went to press, regulators in Italy approved new auction rules for grid-scale storage and gave the green light to a 200MW/800MWh battery energy storage system (BESS) project from UK developer Aura Power, while Eni Plenitude brought a 15MW BESS online.

How much energy storage is installed in Italy?

As of 30 June, 2023, a total of 3,045MW and 4,893MWh of energy storage is installed in Italy according to ANIE Rinnovabili, the national trade body representing the renewable and clean energy sectors. The energy storage market in Italy doubled in capacity in the first half of the year, though Q2 saw the first slowdown in nine quarters.

Is Italy a good market for large-scale energy storage?

Alongside the MACSE auction, they touched on grid, project development and opportunities for software and optimisation providers. Mahael Fedele, Partner, CEO of Sphera Energy, said that Italy has several unique characteristics that make it an exciting market for large-scale storage. "The country obviously needs energy storage.

How will Italy invest in electricity storage?

Italy will promote investments in utility scale electricity storage to reach at least 70 GWh, and worth over Euro 17 bn, in the next ten years. The new storage capacity will be acquired through tenders published by Terna, the manager of Italy's high voltage grid. The next tender will be released in 2024.

How many storage systems are there in Italy?

More in detail, 311,189 storage systems were present in Italy in mid-2023, with a total power of 2,329 MW and a maximum capacity of 3,946 MWh. Terna (the high voltage grid operator) also holds systems totaling 60 MW in power and 250 MWh in capacity.

How will Italy develop utility-scale electricity storage facilities?

To develop utility-scale electricity storage facilities, the Italian Government set up a scheme that was approved by the European Commission at the end of 2023. Italy will promote investments in utility scale electricity storage to reach at least 70 GWh, and worth over Euro 17 bn, in the next ten years.

The MACSE auction has stipulated that 90% of the funding will go to either lithium-ion battery energy storage system (BESS) or pumped hydro energy storage (PHES), with 10% allocated for "other technologies".

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The results of Italy's main grid capacity market auction for 2025, published by Terna, show that energy storage represented 51.1% of the 174 MW of new capacity assigned.

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Italy had 650,007 grid-connected energy storage systems at the end of June 2024, according to Italian PV association Italia Solare, with a total of 4.5 GW of rated power.

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