

# Italy electrostatic energy storage

Does Italy need electricity storage?

As Italy's energy mix is increasingly composed of variable renewable energy sources, electricity storage will be needed to integrate power generated by renewables into the national grid and make it available when sun and wind energy are not accessible.

Are battery energy storage systems needed in Italy?

Therefore, battery energy storage systems (BESS) are needed in Italy. The Italian market for BESS is growing rapidly and currently amounts to 2.3 GW but it almost exclusively consists of residential scale systems, associated with small scale solar plants, having a capacity of less than 20 kWh.

What is the EU state aid scheme for energy storage in Italy?

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 EUR17.7 billion (US\$19.5 billion) will provide annual payments covering investment and operating costs for those developing, building and operating large-scale energy storage in Italy.

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.

Does Italy need 9gw/71gwh of energy storage?

The Winners Are Set to Be Announced for the Energy Storage Awards! Italy's TSO Terna says it needs 9GW/71GWh of energy storage by integrate its renewables pipeline. Image: Terna. 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.

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.

Moreover, a new mechanism for Terna to procure in advance energy storage capacity is currently under review and will be finalized in the coming months, to underpin Italy's target of 71GWh of new grid-scale battery ...

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 ...

In December 2023, the EU greenlit Italy's energy storage program, earmarking a hefty investment of EUR17.7 billion. This initiative is anticipated to facilitate the construction of over 9GW/71GWh of energy ...

In December 2023, the EU greenlit Italy's energy storage program, earmarking a hefty investment of EUR17.7 billion. This initiative is anticipated to facilitate the construction of over 9GW/71GWh of energy storage systems (ESS).

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.

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. Transmission system operator (TSO) Terna released its "Study on ...

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 EUR17.7 billion (US\$19.5 billion) will provide annual ...

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. Transmission system operator (TSO) Terna released its "Study on Reference Technologies for Electricity Storage" report last week (10 August), one of the requirements under a recent ...

The scheme notified by Italy will support the construction of electricity storage facilities with a joint capacity of more than 9 GW/71 GWh. The scheme will run until 31 December 2033. The measure aims to facilitate the integration of renewable energy sources ("RES") in ...

Moreover, a new mechanism for Terna to procure in advance energy storage capacity is currently under review and will be finalized in the coming months, to underpin Italy's target of 71GWh of new grid-scale battery storage by 2030 under the "Fit-for-55" EU framework (reducing greenhouse emissions by 55% by 2030).

Italy's NECP targets between 7.5 GW and 8.5 GW of energy storage by 2030, of which 4.5 GW is expected to come from customer-sited storage systems.<sup>24</sup> The remaining 3-4 GW is expected to come from utility-scale systems. By 2050, Italy aims to achieve 30-40 GW of storage capacity.

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 EUR17.7 billion (US\$19.5 billion) will provide



## Italy electrostatic energy storage

annual payments covering investment and operating costs for those developing, building and operating large-scale energy storage in Italy.

Web: <https://ecomax.info.pl>

