

European Solar Energy Storage

Italian energy storage association



Overview

GISEL has been established to group together all major Italian research and development stakeholders working in the field of the electrochemical energy storage technologies: Universities, Research Centers and Companies. The goal is to facilitate discussion and coordination among national research groups, either working in the private or public sectors, and to explore new common research topics and projects. When is Italy's leading energy storage event 2026?

Join us on April 15–16, 2026 for the 3rd edition of Italy's leading event on energy storage. The 2025 edition confirmed that energy storage is steadily advancing, with important regulatory updates, stronger public support at both EU and national levels, and increasing project execution.

Is there a need for energy storage solutions in Italy?

Local industry contacts, as well as U.S. sector firms, have also indicated to Post that there is a need for energy storage solutions in Italy.

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.

How many energy storage systems are there in Italy?

As of Sep. 30, 2024, Italy had a cumulative 692,386 energy storage systems, with a total rated power of 5,034 MW and an energy storage capacity of 11,388 MWh. Almost all of the systems – 92% – had a capacity of less than 20 kWh, 99.9% were twinned with solar panels, and 99.1% were home installations.

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.

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.

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RENMAD STORAGE ITALIA 2026

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Utility-scale leads as Italy adds 4.4 GWh of energy storage in nine

With the equivalent commercial and industrial energy storage figures falling 18% in terms of installations, 29% in terms of power, and 11% in terms of storage capacity, respectively, Anie said utility-scale energy storage is driving growth in the sector.



Italy's energy storage market is growing explosively, with ...

According to data released last week by Italian solar energy association Italia Solare, Italy's independent energy storage installations surged in the first half of 2024, with a connected capacity of approximately 650MW, almost 10 times that of the same period in 2023.

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Italian Power Storage Applications: A Surge Fueled by Policy and

With regions like Lombardy leading at 1,454 MWh of deployed storage, the country isn't just adopting batteries--it's rewriting Europe's energy playbook. But why should you care?



Home Page

GISEL originates and drives the activity of the "GISEL-Centro di Riferimento Nazionale per i Sistemi di Accumulo Elettrochimico di Energia" that is the first Italian shared ...



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Presentazione di PowerPoint

Storage in Italy: RfC e-distribuzione (2) Detail of the number of storage systems commissioned and put in operation in the Low Voltage grid managed by e-Distribuzione in the last years



EU Approves EUR17.7 Billion for Italy's Renewable ...

By implementing large-scale electricity storage facilities, the Italian scheme aspires to reduce energy reliance on fossil fuels and foster a resilient grid, prepared to handle fluctuations in renewable energy production.

Italy Energy Storage

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Italian energy storage industry alliance

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