

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.

In 2021, Italy added about 1 GW of newly installed PV capacity, compared to 785 MW in 2020, and reached a cumulative PV capacity of 22.6 GW. According to Italia Solare, Italy installed 431 MWh of storage capacity in 2021, compared to 112 MWh in 2020.

In the first half of 2024 electricity production from clean sources in Italy, up 27% compared to the same period in 2023, overtook electricity production from fossil fuels (-19%) for the first time. ... unparalleled investment in battery energy storage systems is taking place in Italy with projects for 23 plants of a total capacity of 1.7 GW.

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 ...

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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In 2023, residential energy storage continued to dominate Italy's energy storage landscape, representing the largest application scenario for newly added installations. Residential PV systems retained their prominence, accounting for 82% and 73% of new installations, followed by utility-scale storage and commercial & industrial (C& I) energy ...

Enel Libra Flexsys was established for the development and management of a major portfolio of energy transition infrastructure in Italy, composed of 23 battery energy storage system (BESS...

Smaller battery systems currently dominate the market Battery storage projects between 5-15 kWh make up the bulk of Italy's battery storage market. In most cases, these systems are customer-sited and coupled with solar PV systems. By the end of 2022, there were only 10 larger-scale battery storage systems

A brief overview of the integration of storage systems in photovoltaic plants, the applicable legal framework

and the requirements for support (or its retention) by the Italian "Gestore dei Servizi Energetici" (GSE) is provided below.

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