

Average utility scale ESS price per 15MW in Italy

Is Italy's energy storage landscape undergoing a major shift in 2024?

Italy's energy storage landscape is undergoing a major shift, with utility-scale battery energy storage systems (BESS) experiencing exponential growth in 2024, even as residential and commercial & industrial (C&I) installations decline, according to a new report by industry group Anie. Utility-Scale BESS Dominates Market

How does Italy guarantee a long-term supply system of new storage capacity?

The Italian legislator has acted to guarantee a long-term supply system of new storage capacity by introducing a mechanism based on competitive, transparent and non-discriminatory auctions. The system recognises the right to an annual remuneration, in exchange for the provision of the awarded capacity as part of the national energy market.

Will Italy achieve 30-40 GW of battery storage capacity by 2050?

By 2050, Italy aims to achieve 30-40 GW of storage capacity. There are significant regional differences in the adoption of battery storage systems across the country. While most distributed battery adoption is occurring in the north, most of the larger-scale storage projects are in the south and on Italy's largest island, Sardinia.

What is utility-scale energy storage?

The simultaneous deployment of utility-scale energy storage is in fact functional for the management of the electricity system, specifically to ensure the security, flexibility and integration of renewable energy sources into the national electricity system through time shifting and dispatching services.

Why did Italy expand its energy storage capacity last year?

Italy significantly expanded its energy storage capacity last year, driven by large-scale projects exceeding 1 MWh. Anie, a division of national business organization Confindustria, reported that installed storage capacity surged from 507 MWh in 2023 to 3,359 MWh in 2024, while installed power capacity jumped from 222 MW to 851 MW.

Does Italy have a battery storage market?

The research and analysis conducted for this report were supported by the European Climate Foundation. This report is part of a series that analyses the battery storage market in select European countries. Italy has both a rapidly growing utility-scale market as well as a flourishing customer-sited battery storage market.

To explore the key issue of pricing for energy storage systems in Italy, pv magazine Italy spoke with several distributors active in the market. All were in agreement: prices declined in 2024, and while the trend is expected to ...

Projected Utility-Scale BESS Costs: Future cost projections for utility-scale BESS are based on a synthesis of

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cost projections for 4-hour duration systems as described by (Cole and Karmakar, 2023). The share of energy and power ...

Base year costs for utility-scale battery energy storage systems (BESS) are based on a bottom-up cost model using the data and methodology for utility-scale BESS in (Ramasamy et al., 2021). The bottom-up BESS model accounts for ...



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