

## PIENAAR ENERGY (PTY) LTD

# Proportion of new energy storage BESS in Italy



Standard 20ft containers



Standard 40ft containers



## Overview

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Some 95% of the new resources were 'electrochemical storage', transmission system operator (TSO) Terna said, which means batteries or battery energy storage systems (BESS). That implies a figure of around 564MW. The "Storage systems observatory" report published by Italian electronic industry body Anie states more energy storage capacity. Octo: Battery storage capacity in Italy surged more than 55% year-on-year toward the end of summer, totalling over 17GWh, according to latest data. Italy becomes the 2° largest market with 6GWh installed Europe now counts 61. A new year brings continued. BESS technology has won the bulk of new resource contracts in the capacity market (CM) auction for delivery in 2027 in Italy. The auction took place last week (26/27 February) and awarded 38,057MW of obligations to existing resources and 594MW to new resources, alongside 4,365MW to resources. Italy has taken the first step in locking in 50 GWh of storage through MACSE, its long-term capacity scheme for energy storage, cementing its status as one of Europe's most attractive fixed-revenue markets. Even with substantial contracted capacity coming online, and more to follow, merchant. The EU installed a record-breaking 27. 1 GWh of new battery energy storage system (BESS) capacity in 2025, with Germany and Italy topping the chart again, while Bulgaria emerged as the fastest-growing market.

## Proportion of new energy storage BESS in Italy

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### Italy Energy 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 ...

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### Utility-scale batteries show exponential growth in Italy

While the development of bigger battery energy storage systems (BESS) is booming, deployment of residential and commercial and industrial (C& I) equipment fell last year.



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### Battery Energy Storage Systems (BESS)

More specifically, 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.

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### Utility-scale Battery Energy

## Storage Systems Booming in Italy

Italy added more energy storage capacity in 2024 despite fewer installations, as larger utility-scale battery energy storage systems (BESS) exceeding 1 MWh dominated the market, ...

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## Italy Sees Exponential Growth in Utility-Scale Battery Storage, While

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 ...

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## Italy's BESS Market: As fixed revenues take hold, can merchant still

Italy has taken the first step in locking in 50 GWh of storage through MACSE, its long-term capacity scheme for energy storage, cementing its status as one of Europe's most attractive ...

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### GRADE A BATTERY

LiFePO4 battery will not burn when overcharged, over discharged, overcurrent or short circuit and can withstand high temperatures without decomposition.



## EU battery storage additions hit 27.1 GWh in 2025, Germany leads



The EU installed a record-breaking 27.1 GWh of new battery energy storage system (BESS) capacity in 2025, with Germany and Italy topping the chart again, while Bulgaria emerged as ...

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## Italy: BESS wins nearly 600MW in 2027 capacity market

Some 95% of the new resources were 'electrochemical storage', transmission system operator (TSO) Terna said, which means batteries or battery energy storage systems (BESS).



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## Battery storage system: EU adds 22 GWh in 2024

While Germany's newly installed capacity in 2024 fell compared to 2023, Italy surged ahead with 6 GWh of additions--largely due to the expansion of utility-scale projects. This segment ...



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## Italy sees 55% BESS surge as renewables rise

Increasing reliance on battery storage comes as Italy expands integration of renewable power generating capacity --

of which more than 4,000MW of capacity was installed between ...

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