

## PEES Power Systems

# Italian energy storage battery prices



## Overview

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Recent industry analysis reveals that lithium-ion battery storage systems now average €300-400 per kilowatt-hour installed, with projections indicating a further 40% cost reduction by 2030. The result of the auction are tariffs that came dramatically below the reserve premium which was set at €37,000 per MWh per year. From ESS News Italy has completed its first auction for grid-scale battery storage capacity, awarding all 10 GWh on offer under the new MACSE scheme (Meccanismo di. The €5,000 boost from the Italian energy regulator has come via changes to three key parameters: the investment cost (INV), the rate of return on invested capital, and the operational cost factor (CFO), leading to a higher price cap in the upcoming capacity market auction for energy storage. Just under 4GWh is completed and/or operational, with a further 2GWh+ under construction. The demand for energy storage in Italy has been clear over the last half a decade, with solar and wind generation. Clean Horizon has released its latest Energy Storage Price Forecast for Italy, providing valuable insights into one of Europe's most dynamic emerging markets for battery storage. Italy is accelerating its energy transition with ambitious targets and a robust policy framework, aiming to deploy 71. While utility-scale projects now average €280/kWh – down 18% from 2023 – residential systems still hover around €980/kWh. How did a country with 25% solar penetration end up with such wild price variations?

The answer. Italy is forecast to deploy more storage capacity than any other European nation in 2024 – the European Commission has approved €17.7bn of storage funding under 'state aid' rules, while the MACSE storage procurement mechanism is expected to be the catalyst for a storage surge in 2025 Italy is.

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### Italian energy storage lithium battery cost performance

Recent industry analysis reveals that lithium-ion battery storage systems now average EUR300-400 per kilowatt-hour installed, with projections indicating a further 40% cost reduction by 2030. BESS ...

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### Italy Energy Storage Price Forecast Released

Clean Horizon has released its latest Energy Storage Price Forecast for Italy, providing valuable insights into one of Europe's most dynamic emerging markets for battery storage.

CE UN38.3 MSDS



### Italy's MACSE Auction: Battery storage price cap boosted to ...

Italy's Regulatory Authority for Energy, Networks and Environment (ARERA) has approved a series of modifications impacting the maximum price that can be offered in the country's first ...

## Why Italian Energy Storage Costs Are Dropping Faster Than Expected

Italy's energy storage market has become Europe's most unpredictable cost story. While utility-scale projects now average EUR280/kWh - down 18% from 2023 - residential systems still hover around ...



## Italy's first MACSE battery auction smashes expectations with 10 GWh

Held on September 30, the tender closed at an average price of just EUR12,959 per MWh per year, far below the reserve price of EUR37,000 per MWh per year set by system operator Terna. Interest ...

## Italy awards all battery storage in first auction, Enel wins half

Italy awarded all 10 gigawatt hours of the capacity it tendered in its first battery storage auction, recording an average price well below the cap set by the regulator, the CEO of grid



## Italian battery storage market pipeline soars, developers



TAX FREE

1-3MWh  
BESS



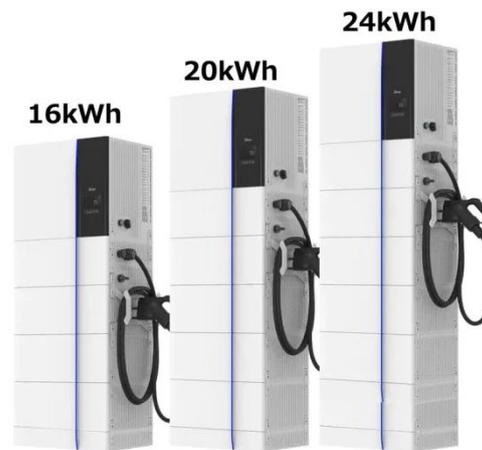
## flock from

This imbalance has already led to curtailment, and where curtailment becomes frequent, the economic and system value of battery storage increases significantly, making Puglia the most ...

## Marketwatch: Italy 'most vibrant' European storage market

Italy is arguably the most vibrant European energy storage market at present. It is forecast that Italy will deploy more energy storage capacity than any other European nation in 2024,

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BESS, or battery energy storage systems, are an essential element of the energy transition: the Enel Group is playing an important role in the growth of the sector, in Italy and in the other countries ...

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