

**JH Solar**

# Italian energy storage exchange



## Overview

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The MACSE auction will provide 15-year contracts for energy storage projects whereby they will be paid annual premiums to cover operating costs in exchange for making their capacity available on the Dispatching Services Market (acronymised in Italian as MSD). 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.

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.

Are battery energy storage systems needed in Italy?

Therefore, battery energy storage systems (BESS) are needed in Italy. The Italian market for BESS is growing rapidly and currently amounts to 2.3 GW but it almost exclusively consists of residential scale systems, associated with small scale solar plants, having a capacity of less than 20 kWh.

How will MACSE change energy storage requirements in Italy?

There are stark differences in energy storage requirements across Italy and MACSE procurement targets will adapt to these zonal needs. Most of the new utility-scale storage capacity catalyzed by MACSE will be needed in Southern Italy and the islands, with 16.8 GWh in the South, 13.6 GWh in Sicily, and 10.4 GWh in Sardinia.

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.

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.

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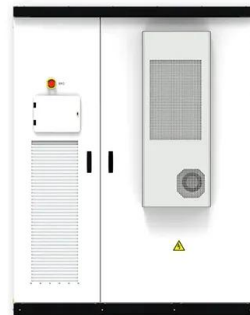


### GME - Europex

GME carries out its activities in accordance with the guidelines given by the Italian Ministry of Environment and Energy Security and the regulatory provisions issued by the Italian Regulatory Authority for Energy, Networks ...

### Energy storage trends

Energy storage trends - Spotlight on ItalyEnergy storage systems play a crucial role in Italy's decarbonisation and energy security. On 21 January 2020, the Ministry of Economic Development published the ...



### **Planning issues to hold back Italian energy storage growth**

LONDON (ICIS)-Market actors predict growth in the Italian energy storage sector will be driven by the system balancing needs of the grid operator in the face of ...

### DOE Global Energy Storage Database

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information on grid ...



## Italian Energy & Power Market

Dive into Italy's energy trading landscape: Discover how to access, trade, and excel in the energy markets, using Energy Market Partner's expert insights.

## MACSE auction: A game changer for Italy's energy ...

2025 is set to see a rapid growth in investment in the Italian energy storage sector, led by battery energy storage systems (BESS), with the implementation of MACSE.



## Energy modeling and Life Cycle Assessment of the Italian ...

Purpose The aim is to fill two literature gaps concerning the role of energy storage systems (ESS) in the future Italian electricity mix. Firstly, there is a lack of national ...

## Home []

In its press release of 4 August 2025, Terna (the Italian TSO) announced the time window for blank tests to be held in view of the reconnection to the platform for the exchange of reserve ...



## BBDF 2025: Challenges and prospects in Italy, Europe's hottest ...

Italy ranks among Europe's top battery storage markets, driven by its MACSE auctions, capacity market, and early merchant efforts. Competition is growing amid rising micro ...

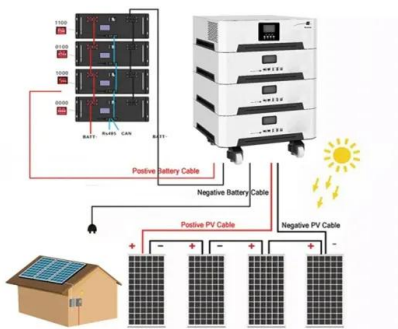
## ENERGY S.p.A.: leader in Italy in integrated energy storage ...

Energy S.p.A., founded in 2013 by Davide Tinazzi, Andrea Taffurelli and Massimilano Ghirlanda is a successful Italian company offering energy storage systems (ESS, Energy Storage System), ...



## Italy's grid-scale energy storage market: a sleeping dragon

The Italian grid-scale energy storage market is set to become one of the most active in Europe in the next few years, having been close to non-existent until now. While the residential sector ...



## MACSE auction: A game changer for Italy's energy ...

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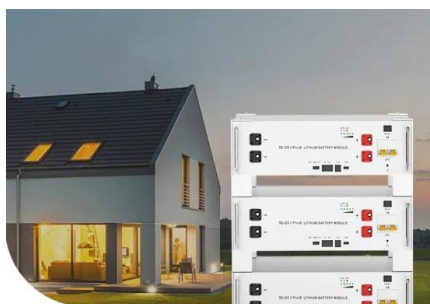


## Italy to hold first MACSE energy storage capacity auctions in H1 ...

The MACSE auction will provide 15-year contracts for energy storage projects whereby they will be paid annual premiums to cover operating costs in exchange for making their capacity ...

## Italian Group Taps CO2 for Energy Storage

New technologies for energy storage are being developed as the industry continues to mature. Energy Dome, an Italian energy storage technology company founded in ...



**Low Voltage Lithium Battery**  
**6000+ Cycle Life**

## Top 10 Energy Storage Companies in Italy , PF Nexus

Top 10 Energy Storage Companies in Italy: discover market leaders, buying and selling opportunities, and financing options on PF Nexus.

## Vanessa Piacentini on LinkedIn: #iwes2024 #energy #storage

#IWES2024 (Third Italian Workshop on Energy Storage) was a very interesting experience to exchange ideas and learn about the achievements of professors and colleagues working in the ...



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## Scientific forecasting for energy markets of Italy

Prices in the Italian IPEX market are among the highest in the European electricity markets. This is because this market is highly dependent on gas-fired generation. Italy has increased its capacity of renewable energy, ...



Deye inverters and Deye batteries are more compatible.

## Recurrent Energy Secures EUR 61.5 Million in Non-Recourse ...

KITCHENER, ON, JUNE 23, 2025 - Recurrent Energy, a subsidiary of Canadian Solar Inc. (NASDAQ: CSIQ) and a leading global developer, owner, and operator of solar and battery ...

## Italy to hold 10 GWh storage auction on September ...

The first Energy Storage Capacity Procurement Mechanism (MACSE) auction will be launched on September 30. Francesco Del Pizzo, president for grid development strategies and dispatching at the



## [DOE Global Energy Storage Database](#)

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## The Right Toolbox for Pushing Italy Towards 80 GW of PV by 2030

More than ever, the event will focus on highlighting the potential of energy storage, which - pushed by dedicated tenders - is set to become a big part of the Italian market.



## EP Produzione secures 170 MW battery storage in Italian ...

Italy's latest capacity market auction has catalyzed 233 MW of new capacity with the lion's share of projects secured by EP Produzione across two battery storage developments.

## About Us , proytenamg

AMG Italian Energy Storage Srl, anche se costituita solo nel 2016, nasce con l'obiettivo di portare sul mercato mondiale un prodotto che potesse utilizzare risorse energetiche rinnovabili ...



## Italy Energy 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 ...

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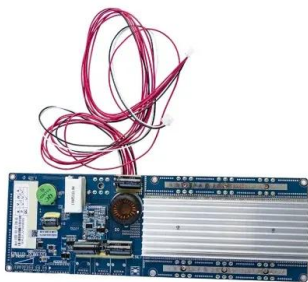


## **EC approves Italy's EUR9.7 billion renewables aid scheme**

Credit: Glyn Lowe via Flickr. The European Commission (EC) has approved a EUR9.7 billion (US\$10.2 billion) Italian aid scheme to spur the growth of renewables.

## THE ELECTRICITY STORAGE CAPACITY ...

This document analyzes available electric storage technologies and identifies reference technologies, those deemed feasible and capable of meeting identified electric storage demands.



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

Italy forecast to deploy more storage capacity than any other European nation in 2024 BW ESS, Emeren, Nuveen, Energy Vault, Octopus & Pacific Green among players to ...

### Forecasting the Development of Italy's Energy ...

In the first quarter of 2024, the global energy storage market continued to show positive growth trends. Specifically in Europe, Germany, Italy, and Spain sustained rapid growth in their energy storage ...



### Italy Accelerates Solar Energy and Industrial Energy Storage ...

In a bold move to meet EU emissions targets, Italy is accelerating its solar energy and industrial energy storage deployment under the PNIEC Italy plan. With installations ...

## RENMAD STORAGE ITALIA 2026

Following the resounding success of the 2nd edition in 2025, RENMAD STORAGE ITALIA is back--bigger and better than ever! Join us on April 15-16, 2026 for the 3rd edition of Italy's leading event on energy storage.



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