

Is battery storage a solution to energy security in Italy?

Italy's debate mirrors wider conversations across Europe. As countries integrate higher shares of renewables into their grids, battery storage is emerging not just as a backup solution but as a core enabler of energy flexibility and security.

Is Italy stepping into a new energy era?

Italy is stepping into a new energy era with the MACSE auction in early 2025. Underpinning MACSE, or Meccanismo di Assegnazione Centralizzata per la Sostenibilit  Energetica, is an ambitious plan to boost renewable energy integration and support up to 50GWh of energy storage by 2030 - a move to ensure Italy's energy security and sustainability.

How will Italy's capacity market fit with real market conditions?

Now there's more room to match real market conditions. Smart market alignment: Caps and floors will follow the Italian Capacity Market strike prices, based on open-cycle gas turbine unit costs. This means more predictable, stable pricing.

When will the lithium-ion BESS auction be held?

The lithium-ion BESS auction could be held as early as the first half of 2025, the Ministry of Environment and Energy Security said.

Why is Italy focusing on advanced storage technology?

In the broader EU landscape, where there's a collective push for 42.5% renewables in energy consumption by 2030, Italy's focus on advanced storage tech sets them apart from EU neighbours still heavily invested in traditional grid upgrades.

Is pumped hydro better than lithium ion?

While lithium-ion is more flexible and faster to deploy, pumped hydro offers long-duration storage at a potentially lower lifetime cost. Understanding the unique contributions of each will be key to crafting a balanced energy storage roadmap. Italy's debate mirrors wider conversations across Europe.

Two major areas of international trade that will remain causes of concern for energy storage projects are the application of tariffs and supply chain integrity. While it remains to be seen what the US administration might impose ...

This report comes to you at the turning of the tide for energy storage: after two years of rising prices and supply chain disruptions, the energy storage industry is starting to see price declines and much-anticipated supply growth, thanks in ...



Lithium ion storage project financing options in Italy 2025



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