



# Price of lithium energy storage power supply in Southern Europe





## Overview

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This report analyses the cost of lithium-ion battery energy storage systems (BESS) within Europe's grid-scale energy storage segment, providing a 10-year price forecast by both system and tier one components. An executive summary of major cost drivers is provided for reference, reflecting both.

The rapidly evolving landscape of utility-scale energy storage systems has reached a critical turning point, with costs plummeting by 89% over the past decade. This dramatic shift transforms the economics of grid-scale energy storage, making it an increasingly viable solution for Europe's renewable.

Note: Required spread for a two-hour battery project assuming revenues cover project costs of €360,000/MWh in 2024, for previous years assumes BNEF's Europe energy storage system costs. Assumes 90% round-trip efficiency, 85% depth of discharge. Where is the opportunity?

Source: BloombergNEF. Note:.

Lithium metal prices in China inclined by 3.35% in September 2025, primarily driven by improved demand from the battery, electric vehicle, and electronics sectors amid robust downstream activity in the later stages of Q3. Tight supply from domestic smelters and constrained raw material availability.

You know, lithium battery prices globally dropped by 20% in 2024 to a record low of \$115/kWh [3] [6] [9]. But here's the kicker—European energy storage systems still pay 20-65% more for batteries than Asian buyers [2]. What's causing this price gap, and when will Europe catch up?

Let's break down.



The economics of battery storage systems (BESS) in Europe look much rosier following changes to the European Union's (EU) power pricing structure in October, with several countries offering the potential for BESS profits to rise more than a 15%, according to Rystad Energy analysis. The new EU.



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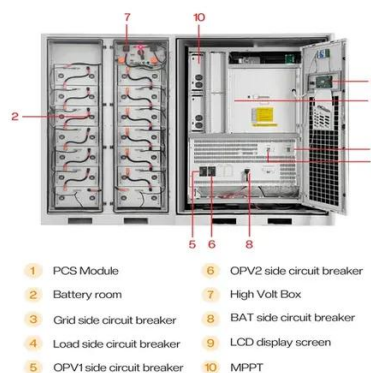


### Economic outlook for Europe's battery storage improving under ...

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### Energy Storage in Europe

LFP spot price comes from the ICC Battery price database, where spot price is based on reported quotes from companies, battery cell prices could be even lower if batteries are purchased in ...



### Battery Storage Costs in 2025: Analyzing the Price per kWh for ...

As businesses and utility providers look to stabilize their power grids and reduce operational costs, the financial metrics of energy storage have come under intense scrutiny. ...

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The Europe Battery Energy Storage System Market size is estimated at USD 20.69 billion in 2025, and is expected to reach USD ...



### [European Market Outlook for Battery Storage 2025-2029](#)

With record growth in 2024 and new projections through 2029, the study highlights key market drivers, regional developments, and essential policy recommendations.



### [Europe grid-scale energy storage pricing 2024](#)

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The convergence of falling battery prices, improved technology efficiency, and supportive EU policy frameworks creates unprecedented opportunities for large-scale energy ...



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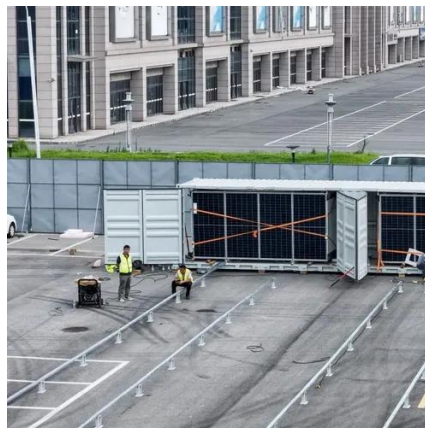
### **Europe Battery Energy Storage System Market Size & Share 2030**

The Europe Battery Energy Storage System Market size is estimated at USD 20.69 billion in 2025, and is expected to reach USD 45.31 billion by 2030, at a CAGR of ...

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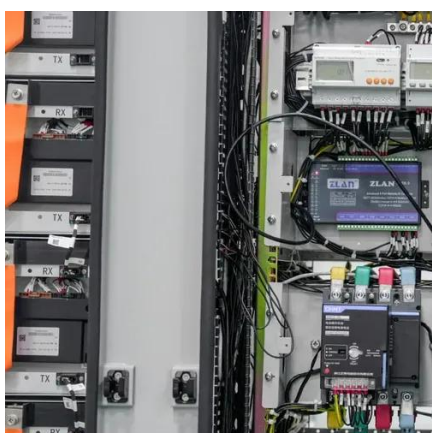
### **Lithium Price Trends, Spot Prices, Index, Forecast And Chart**

Lithium metal price trend analysis with weekly real time pricing forecasts, outlook, market trends, historical data and spot prices.



### [Global Lithium-Ion Battery Costs Fall 8% to \\$108/kWh](#)

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