

Global PV Storage Insights

Expected ROI of business energy storage project in Romania 2026



Overview

Aurora Energy Research foresees double digit internal rates of return for standalone battery energy storage (BESS) projects entering the market as early as 2026, while co-located assets could prove even more promising – especially post 2028 where rising saturation in the balancing markets is observed. How many GW of energy storage will Romania have?

Romania is aiming to have at least 2.5 GW of energy storage installed by the end of next year and to exceed 5 GW only a year later. From ESS News According to Romanian Minister of Energy Sebastian Burduja, the country's energy storage fleet is expected to grow exponentially over the next couple of years.

How big is Romania's energy storage fleet?

From ESS News According to Romanian Minister of Energy Sebastian Burduja, the country's energy storage fleet is expected to grow exponentially over the next couple of years. "In total, at the end of next year we should have storage capacities of at least 2,500 MW, and by 2026 we should exceed 5,000 MW.

Which Romanian companies are adding Bess to their renewable assets?

Other Romania-based companies, such as Parapet and Waldevar Energy, have told pv magazine that adding BESS to their renewable assets is a top priority. The May edition of pv magazine features an in-depth look at Romania's solar and energy storage markets.

Why are energy prices so high in Romania?

Burduja has also called for investments in energy storage, the lack of which he sees as one of the reasons behind high energy prices in Romania today, noting that the Ministry of Energy is making funding available for this purpose.

Is the Bess market heating up in Romania?

The BESS market in Romania is heating up, say local analysts and insiders. Irene Mihai, policy officer at the Romanian Photovoltaic Industry Association (RPIA) recently told pv magazine that a realistic target for the utility-scale BESS segment in Romania “would be around 2 GWh (around 1 GW of installed capacity)” for 2030.

Is Romania a Bess market?

“As other European BESS markets become increasingly saturated, Romania stands out,” said Evangelos Gazis, Aurora’s head of Southeastern Europe, adding that the investment case for storage is strengthened by wind and solar’s rapid expansion driving high volatility in wholesale and balancing markets. Interesting activity

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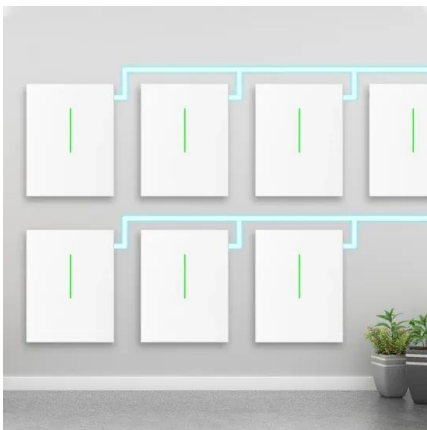


Motives of future growth of the Romanian energy storage market

In recent years, multinational capital investment in Romania's new energy sector has grown significantly, and is expected to lead 1.2-1.5GW of integrated landscape and storage ...

Understanding the Return of Investment (ROI) of Energy Storage ...

Several key factors influence the ROI of a BESS. In order to assess the ROI of a battery energy storage system, we need to understand that there are two types of factors to keep in mind: ...



Romania: A Driving Force in Europe's Energy Market ...

Romania's infrastructure investments are crucial in reducing reliance on single-source supplies and enhancing energy independence. The BRUA pipeline --connecting Bulgaria, Romania, Hungary, and Austria--is a ...

Guidelines on developing a solar project in Romania

In addition, the Ministry of Energy has announced a new state aid scheme supporting investment in the development of storage

capacities for energy storage (batteries). ...



EBRD, AfDB and BII support pioneering solar and battery storage project

The European Bank for Reconstruction and Development (EBRD), African Development Bank (AfDB), and British International Investment (BII), the United Kingdom's ...

Romania: largest BESS proves 'Europe can compete with Asia'

A BESS unit at the site in Romania. Image: Prime Batteries Technology / EIT. Developer Monsson Group and system integrator Prime Batteries Technology have ...



Romania Removes Double Taxation to Boost Battery ...

In a decisive move to support its clean energy transition, Romania has overhauled a key regulatory barrier holding back investment in energy storage. The National Energy Regulatory Authority (ANRE) announced ...

Australia: The 2025 NEM Battery Energy Storage Pipeline Report

Australia has a massive pipeline of grid-scale battery energy storage projects. 16.5 GW of new battery projects could arrive in the NEM in the next 3 years.



Big things ahead for Romanian BESS investments

Aurora Energy Research foresees double digit internal rates of return for standalone battery energy storage (BESS) projects entering the market as early as 2026, while ...

Electrica to build partially EU-funded 70MWh BESS in Romania

Electrica said the total project value is EUR21.8 million excluding VAT, and that the PNRR funding covers 20% of that. That investment amount equates to a capital expenditure of ...



LFP 12V 100Ah

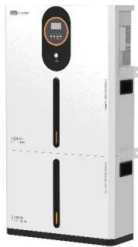
Romania invites fresh bids to support batteries for ...

Romania has also earmarked EUR 199 million to support new capacities for the production and recycling of batteries and solar cells and panels. With this reopened bidding, the ministry aims to see the two-hour duration ...

Expectations for Renewable Energy Finance in 2023-2026

To assess the impacts of these developments on investment and deal flow, the American Council on Renewable Energy (ACORE) surveyed companies that actively develop or finance U.S.

...



BESS in North America_Whitepaper_Final Draft

Introduction Battery energy storage presents a USD 24 billion investment opportunity in the United States and Canada through 2025. More than half of US states have adopted renewable energy ...

METLEN Energy & Metals has 2.4 GW of green energy ...

METLEN Energy & Metals has renewable energy generation projects in Romania totalling 1.6 GW of capacity, as well as plans to install 350 MW of energy storage ...

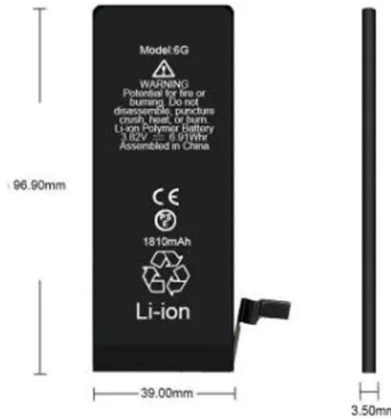


ROMANIA: Energy outlook for 2025 - IEA

These will take place during 2025 - 2026. When these projects are completed, Romania will significantly increase its energy security, becoming the safest country in the EU in terms of gas supply security to end consumers.

Romania aims to roll out 5 GW of energy storage by ...

Romania has allocated EUR 80 million (\$87 million) under its national recovery and resilience plan (PNRR) for energy storage projects, which is expected to result in contracts for a total of 1.8 GW of capacity. "The projects ...



By the end of 2026, 5 GW of energy storage is to be ...

Energy storage in Romania Energy Minister Sebastian Burduji has announced that Romania's energy storage capacity is set to grow significantly over the next few years: "In total, by the end of next year, we should have at ...

Romania's biggest battery system comes online within ...

Monsson inaugurated a 24 MWh battery energy storage system in Romania. It is the first phase out of 216 MWh planned in total. The facility is connected to the company's Mireasa wind farm of 50 MW, while a 35 MW ...



R.Power sells stake in 127-MW energy storage project ...

The agreement is conditional upon obtaining approval for the foreign direct investment (FDI) from the respective authorities in Romania. R.Power is engaged in various projects in Romania. At the end of last year, it ...

Romania reopens two investment tenders for projects related to energy

Romania's energy ministry has re-launched a competitive tender for battery storage projects, seeking to have at least 240MW/480MWh of energy storage facilities up and ...



Aurora's Flexible Energy Forecast: Romania, Next BESS Hotspot ...

Aurora Energy Research has released its new Romanian Flexible Energy forecast service, predicting billions in investments. Batteries are set to become a central ...

Motives of future growth of the Romanian energy ...

With a total investment of more than EUR10 billion, the project is expected to significantly enhance Romania's strategic position in the European energy market.



EBRD, AfDB and BII support pioneering solar and ...

The European Bank for Reconstruction and Development (EBRD), African Development Bank (AfDB), and British International Investment (BII), the United Kingdom's development finance institution and impact ...

Romania's ambitious energy storage plans: 5 GW by ...

Romania expects its overall energy storage to amount to at least 2.5 GW in operating power at the end of 2025, and to expand to as much as 5 GW a year later, local media reported, citing Minister of Energy Sebastian ...



Romania: largest BESS proves 'Europe can compete ...

A BESS unit at the site in Romania. Image: Prime Batteries Technology / EIT. Developer Monsson Group and system integrator Prime Batteries Technology have inaugurated a 6MW/24MWh battery energy storage ...

Romania opens EUR 150 million pot for co-located battery storage

The Romanian Ministry of Energy has launched a grant program for battery energy storage systems developed in conjunction with existing renewable energy facilities - ...



Romania's Energy Sector Overview

Romania's energy framework is robust and aligned with European Union directives, emphasizing sustainability, energy security, and market liberalization. Over the years, the government has ...

Romania aims to roll out 5 GW of energy storage by end 2026

Romania has allocated EUR80 million (\$87 million) under its national recovery and resilience plan (PNRR) for energy storage projects, which is expected to result in contracts for ...



Romania's Integrated National Ener

The draft NECP overlooks the central barriers, i.e., grid connection, storage, and permitting, preventing the country from contributing effectively to the European Green Deal and the Paris ...

R.Power sells stake in 127-MW energy storage project in Romania

The agreement is conditional upon obtaining approval for the foreign direct investment (FDI) from the respective authorities in Romania. R.Power is engaged in various ...



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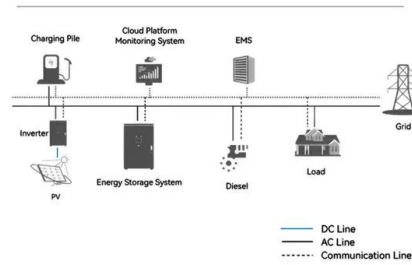
The year 2030 also finds Romania with an additional 4GW of energy storage capacities to balance network demand, comprised of 2GW battery storage capacity and 1.5GW in ...

Romania Aims To Roll out 5 GW of Energy Storage by End 2026

Romania has allocated EUR80 million (\$87 million) under its national recovery and resilience plan (PNRR) for energy storage projects, which is expected to result in contracts for a total of 1.8

...

System Topology



Romania's Energy Storage

An advanced draft of the present report was critically discussed with relevant Romanian stakeholders (TSO, energy regulator, Ministry of Economy, Energy and the Business ...

Nova Power & Gas confirms investment in the largest battery storage

Bucharest, July 22, 2025 - Nova Power & Gas, a Romanian energy company and part of the E-INFRA Group, announces the launch of the largest battery energy storage project in Romania. ...



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