

# Expected ROI of standalone energy storage project in Romania 2026





## Overview

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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.

Why is Romania a good place to invest in solar energy?

“As other European BESS markets become increasingly saturated, Romania stands out with its ambitious renewable targets and growing need for flexibility. The rapid expansion of wind and solar is driving high volatility in wholesale and balancing markets, strengthening the investment case for storage.

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.

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.

Does Romania have a favourable policy landscape for energy storage?



Aurora's analysis points to Romania's favourable policy landscape for energy storage solidified by the NECP target of 1.2 GW of BESS by 2030 as well as the scheduling of support schemes for storage assets. At the same time, fundamentals appear attractive for merchant deployment which can complement the initial policy driven buildout.

What is Romania's new flexible energy forecast service?

Aurora Energy Research has released its new Romanian Flexible Energy forecast service, predicting billions in investments. Batteries are set to become a central component of Romania's power system, with investments totalling several gigawatts of capacity, amounting to several billion euros over the next decade, according to Aurora Energy Research.



## Expected ROI of standalone energy storage project in Romania 2026



### Bulgaria opens EU-funded 3000 MWh stand-alone battery storage ...

4. have a technical advisor with previous experience in either a combined project for production and storage or a standalone storage project with capacity of at least 10 ...

### 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 ...



**TAX FREE**

**ENERGY STORAGE SYSTEM**

**Product Model**  
HJ-ESS-215A(100KW/215KWh)  
HJ-ESS-115A(50KW 115KWh)

**Dimensions**  
1600\*1280\*2200mm  
1600\*1200\*2000mm

**Rated Battery Capacity**  
215KWH/115KWH

**Battery Cooling Method**  
Air Cooled/Liquid Cooled

### Solar, battery storage to lead new U.S. generating capacity ...

Battery storage. In 2025, capacity growth from battery storage could set a record as we expect 18.2 GW of utility-scale battery storage to be added to the grid. U.S. battery storage already ...

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

Aurora's outlook, based on fundamental modelling of BESS accessible markets, projects double digit IRR for standalone BESS projects entering the market as early as 2026, ...



### 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 ...



### [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: largest BESS proves 'Europe can compete ...

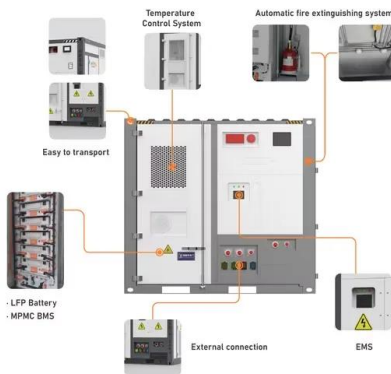
A BESS unit at the site in Romania. Image: Prime Batteries Technology / EIT. Developer Monsson Group and system integrator Prime Batteries Technology have inaugurated a 6MW/24MWh battery energy storage ...





### Aurora Energy Research sees double-digit IRR for energy storage

Aurora's outlook, based on fundamental modeling of BESS accessible markets, projects double-digit IRR for standalone BESS projects entering the market as early as 2026, ...

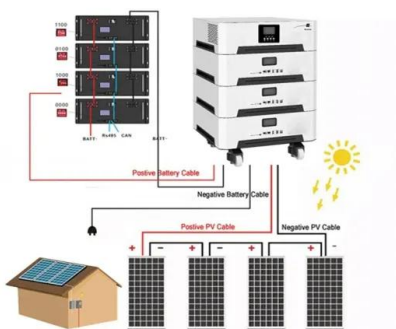


### United States Industrial Stand-Alone Energy Storage Systems

United States Industrial Stand-Alone Energy Storage Systems Market Size and Forecast 2026-2032 United States Industrial Stand-Alone Energy Storage Systems Market ...

### 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 ...



### 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 ...



### Minnesota PUC approves first stand-alone BESS project

The Minnesota Public Utilities Commission (PUC) has approved a site permit for Spearmint Energy's 150MW/600MWh battery energy storage system (BESS) in Kalmar ...

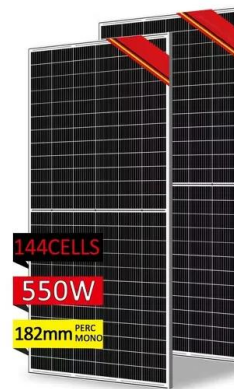


### Bulgaria to tender stand-alone battery storage with EU grants

On 25 July 2024, the Bulgarian Ministry of Energy closed the open discussion on the terms and conditions for the upcoming battery energy storage system (BESS) tender, ...

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

"As other European BESS markets become increasingly saturated, Romania stands out with its ambitious renewable targets and growing need for flexibility. The rapid ...



### EDP Renewables starts first stand-alone storage ...

EDP Renewables has started the construction of its first stand-alone battery energy storage (BESS) project in Europe, a milestone that materializes the company's ambition to continue building a multi-technology ...



### Economic Benefits of Energy Storage

Pomega Energy Storage Technologies (Kontrolmatik Technologies) Pomega Energy Storage Technologies broke ground on its Colleton County, SC facility in February. The facility will ...



### **CIP starts construction on 1.1GWh standalone BESS in Chile**

In related standalone BESS Chilean news, DNV provided support to Atlas Renewable Energy's 800MWh project in Antofagasta. Image: Atlas Renewable Energy ...

### **Romania's BESS Capacity to Reach 5 GW by 2026**

Energy Minister Sebastian Burduja announced these ambitious goals in line with recommendations from domestic transmission system operator Transelectrica, which estimated the need for at least 4 GW of energy storage ...



### **Romania Invites Fresh Bids to Support Batteries for Renewables**

Romania's Ministry of Energy has reopened its call to support projects of battery storage for renewable energy integration, seeking at least 240MW and 480MWh of resources. ...



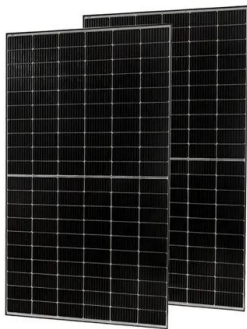
### Romania targets 5 GW of installed BESS capacity by ...

Romania aims to have at least 2.5 GW of battery energy storage systems (BESS) in operation by next year and to surpass 5 GW of capacity by 2026 under a plan that is seen to help it cope with high energy ...



### [Standalone Station-HyperStrong](#)

To achieve fully market-oriented operations, the standalone energy storage station engages in electricity spot market transactions and provides auxiliary services such as peak shaving and ...



### DTE Energy issues RFP for 450 MW of standalone energy storage

When complete in 2026, this 220-megawatt battery energy storage center at the site of DTE's retired Trenton Channel coal power plant is expected to be the largest standalone ...



### SEIA recommends US reach 700GWh of storage ...

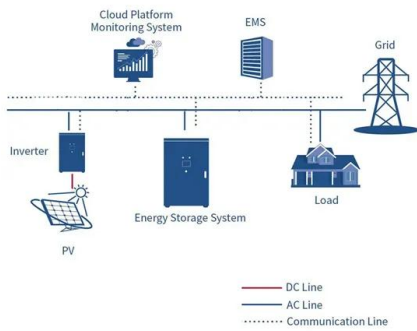
SEIA's whitepaper provides recommendations for accelerating BESS deployment in the US. Image: SEIA The Solar Energy Industries Association (SEIA) has released a whitepaper recommending the US deploy ...





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

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.



### EDP Renewables secures its first stand-alone battery storage project ...

In its updated Business Plan for 2023-2026, EDP Renewables aims to achieve a storage capacity of over 500 MW, primarily through co-located assets, with a smaller portion ...

### DTE Energy issues RFP for 450 MW of standalone ...

When complete in 2026, this 220-megawatt battery energy storage center at the site of DTE's retired Trenton Channel coal power plant is expected to be the largest standalone battery energy storage project in the ...

50KW modular power converter



### 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 ...



## Standalone vs. Solar-Plus-Storage: What Is Best?

If you're like most solar shoppers, you're considering an energy storage system primarily for resilience: as a source of backup power during outages. Standalone storage may be able to help provide backup power but ...



- ✓ IP65/IP55 OUTDOOR CABINET
- ✓ OUTDOOR MODULE CABINET
- ✓ OUTDOOR 5G BASE STATION CABINET
- ✓ WATERPROOF

## Romania opens EUR150 million pot for co-located battery ...

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

## Bulgaria opens EU-funded 3000 MWh stand-alone battery storage ...

On 21 August 2024, the Bulgarian Ministry of Energy opened a tender procedure for National infrastructure for storage of renewable energy (RESTORE) for granting stand-alone battery ...



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