



107.12 MW PV Project 614 MWh BESS Romania

Código: IEA01





INTRODUCTION

Hybrid solar PV + BESS project at an advanced development stage, designed to maximise revenues through optimisation and energy arbitrage.

Romania offers one of the most attractive power markets in Europe, with high prices and strong volatility supporting merchant strategies.

The project combines medium-term PPA potential with market exposure, capturing both stability and upside. Opportunity to acquire up to 100% or enter as a strategic partner in a high-return asset.

About the Seller

The seller is a Romanian renewable energy developer with extensive experience in the execution of large-scale wind, solar photovoltaic, and energy storage projects.

The company manages a robust portfolio comprising multiple solar photovoltaic and hybrid projects in one of Europe's key markets. Its pipeline in the country includes utility-scale solar developments alongside significant battery energy storage capacity (BESS), reflecting a strong positioning in high-growth and high-demand segments.

With a clear focus on technological innovation and sustainable value creation, the seller applies rigorous environmental, technical, and engineering standards across all its projects. Furthermore, it remains open to establishing long-term strategic partnerships aimed at supporting the continuous expansion and strengthening of its renewable energy platform.

The project is currently in development phase with strong progress towards permitting and grid integration.

Investment Highlights & Opportunity

- Large-scale hybrid project: 107 MWp PV + 614 MWh BESS
- Advanced development stage with key permits in progress
- Strong solar resource (~1,500 kWh/m²)
- Exposure to one of Europe's highest power price markets
- Flexible revenue strategy (PPA + merchant)
- Significant upside from BESS optimisation and price arbitrage

Investment Opportunity

- Seeking investor or strategic partner
- Up to 100% acquisition available
- Access to Data Room upon qualification
- Transaction managed by PVLAND

Submit your Expression of Interest to participate in the process

[EXPRESS INTEREST HERE](#)

PV & BESS General Design

General Information

- **Technology:** Solar PV, BESS
- **Total Installed Capacity PV:** 107.12 MWp
- **Total Installed Capacity BESS:** 614 MWh
- **Location:** Romania
- **Other Details:** This project is already at an advanced development stage, expecting full RtB by Q2 2027, and COD targeted for Q4 2027.

Solar PV Details & Design

- **Installed Capacity:** 107.12 MWp
- **Annual irradiation (kWh/m²):** 1498.1 kWh/m²
- **Development Status:** Permitting in progress
- **Ready to Build (RtB) Date:** Q2 2027
- **Commercial Operation Date (COD):** Q4 2027
- **Panel Configuration:** 2V
- **Module Power:** 650Wp
- **Type of Structure:** Fixed mounting structure
- **Module Type:** JKM-650N-66HL4-BDV 650Wp
- **Other Comments:** No information is available at this stage.

BESS Details & Design

- **Installed Capacity:** 614 MWh
- **Hours Cycles:** 4 h
- **Development Status:** Permitting in progress
- **Ready to Build (RtB) Date:** Q4 2026.....Q1 2027
- **Commercial Operation Date (COD):** Q4 2028
- **BESS Capacity:** 153 MW
- **Consumption Capacity:** 153 MW
- **BESS - Energy storage capacity (MWh):** 614 MWh
- **Storage Technology:** Lithium Iron Phosphate (LFP) Battery

Permitting & Connection

Permitting

- **Cadastral, Urban Planning Certificate (CU):** obtained
- **Topographic study:** obtained
- **Geotechnical study, no flooding issues, no archaeological sites:** obtained
- **Authorizations and licenses according to CU:** Ministry of National Defense, Ministry of Health, Romanian Waters, CNAIR: obtained
- **Site license from Transelectrica:** obtained
- **Connection Permit:** Q2 2027
- **STMG Acceptance:** Obtained (Q2 2027)
- **Environmental Permit (EIA):** Obtained
- **Autorizzazione Unica (AU):** Pending (Q2 2027)

Connection Infrastructure

- **Evacuation line voltage:** 400 kV
- **Connection type:** Underground
- **Connection to:** Substation
- **Grid Conditions Costs:** No information is available at this stage.
- **Connection Costs Comments:** No information is available at this stage.
- **Shared Infrastructure:** No information is available at this stage.
- **Other Connection Infrastructure Comments:** No information is available at this stage.

Land Rights & Further Details

Land Rights

- **Land Surface:** 110 ha
- **Land Types:** Rental
- **Land Price:** 2.200 €/ha/year
- Land Contracted Percentage: 100 %
- **Land Comments:** Additional information regarding the land will be disclosed in the next phase.
- **Expropriation Status:** Not required
- **Expropriation Comments:** Not required.

Other Information

Energy offset: Merchant

Energy offset Details: The project is targeting the execution of a 5-year Power Purchase Agreement (PPA). Alternatively, the generated electricity may be commercialized through OPCOM (Romania's electricity market operator), with access to both the Day-Ahead Market (DAM) and Intraday Market (IDM).

The integration of a Battery Energy Storage System (BESS) significantly enhances the project's commercial strategy by enabling revenue optimization through energy shifting and price arbitrage. The storage system allows the project to dispatch electricity during peak pricing periods, actively participate in intraday markets, and manage market volatility more effectively.

This hybrid configuration provides increased flexibility, supports merchant exposure strategies, and enhances overall revenue stability and bankability, making the project particularly attractive to institutional investors and infrastructure funds seeking optimized risk-adjusted returns.

Capex & Opex

- **Estimated EPC:** No information is available at this stage.
- **EPC comments:** No information is available at this stage.
- **O&M Comments:** No information is available at this stage.
- **Other Comments:** No information is available at this stage.

Transaction Process

1. Expression of Interest (EOI)

Interested investors are invited to submit an Expression of Interest through PVLAND, confirming their preliminary interest in the opportunity.

2. Information & Coordination Phase

PVLAND will organise initial briefing sessions to present the project, address key questions, and align expectations with prospective investors.

3. Non-Binding Offer (NBO)

Investors shall submit an indicative offer including preliminary valuation, proposed transaction structure, payment terms, and indicative timeline.

4. Data Room Access (subject to pre-qualification)

Following acceptance of the LOI/NBO by the project owner, PVLAND will grant access to the Data Room to pre-qualified investors, subject to verification of financial capability., including:

- Proof of Funds (POF) or bank reerence
- Evidence of financing capacity (if applicable)

5. Due Diligence & Management Presentation

Investors will conduct technical, legal, and financial due diligence with PVLAND's support. A management presentation with the project owners will be arranged.

6. Binding Offer (BO)

Submission of the final binding offer, reflecting due diligence findings and including full commercial and legal terms.

7. Transaction Closing

Completion of confirmatory due diligence, negotiation, and execution of the Share Purchase Agreement (SPA)

Thanks

Feel free to contact us if you need any help:

<https://pvland.eu>

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