

# 185 MW AC Solar Photovoltaic PV + 50MW BESS RTB + PPA





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Romania is one of the most important energy export countries of the future in Europe. Romania In western industrialized countries, green electricity and green hydrogen are considered the most important energy sources of the future. Romania is also defined by EU and USA as the number one energy export country to the devastated Ukraine.

For 2030, the new target set by the Romanian government is 30.7 %, achievable by adding 7GW in renewable capacity. In 2020, the production of electricity in Romania came in the proportion of 12.4 %wind energy, 3.4 % from photovoltaic solar panels and 27.6 % from hydropower. In total, renewable energy production (wind, photovoltaic and biomass) accounted for 16 % of the total.

As the second largest power market in Central and Eastern Europe, Romania has the potential of attractive significant investments in the years to come in new generation capacities based on low carbon technologies.

The country is currently setting up a new primary legislative framework meant to facilitate investments under merchant market conditions, as a result of a full liberalization and alignment with the European Union (EU) electricity market reform. Policy wise, Romania has ambitious decarbonization targets and is looking to implement reforms in the sector, to attract sustainable investments coming from the public sector and private power producers as well as institutional investors and various EU funds under the Green Deal agenda.

In 2020, important steps have been taken to revive the renewable energy sector in Romania. In May 2020, the Ministry of Economy, Energy and the Business Environment announced the reintroduction of Long-term Bilateral Power Purchase Agreements (PPAs) after these having been banned for almost eight years. The amendments to the Energy Law 123/2012 allowed PPAs for power-generation capacities that will be commissioned after 1 June 2020. These amendments are part of the commitment Romania made to the European. Commission to deregulate its electricity market as of 1 January 2021 to stimulate investments in new electricity-generation capacities.

### Keypoints

	Parameter	Details
	Location	XXXXXXX – Călărași County, Romania
	Total Land Area	220 ha + 50 ha
	Land Type	Energy-designated land
	Distance to Grid Connection Point	0.1 km (400 kV line on-site)
	Total Power (DC)	259 MW
	Total Power (AC)	185 MW
	Project Type	Fixed installation
	Average Horizontal Irradiation	1,413 kWh/m <sup>2</sup> /year
	Specific Production	1,689 kWh/kWp/year
	Landowner	UAT (Municipality) – Concession
	Land Lease Agreement	Signed and publicly registered

## PERMITTING STATUS

- Urban planning certificate – Obtained;
- Topographical studies – Obtained;
- Geological studies – Obtained;
- Environmental approval – positive – first step – Obtained;
- Concession contract for 39 years – Obtained;
- The solution study – Obtained;
- Technical approval for connection (ATR) – Obtained;
- New technical approval for connection 02/2025 (ATR) with connection costs improved by 6M EUR – Obtained;
- All the environmental approvals – Obtained;
- Connection contract signed
- Construction permit for the batteries Plant and the Transformer Station – Obtained

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