

## European Solar and Energy Storage Solutions

# The latest solar energy Romania



## Overview

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Romania's Ministry of Energy has approved the Contracts for Difference (CfD) scheme which seeks to attract 5GW of solar PV and wind capacity by the end of 2025.

As of the latest data available, there are over 880 large-scale PV projects in Romania, boasting a cumulative capacity of approximately 46,600 MW. Is Romania ready for a large-scale solar project?

Romania has set ambitious targets for developing renewable energy sources, including solar power. This article provides a comprehensive overview of the current state of large-scale PV projects in Romania, covering project details, readiness levels, key players, and the overall impact on the energy sector and the environment.

Is Romania a good country for solar energy?

National targets for solar PV With an average of 1,900 to 2,400 annual sunlight hours, Romania has significant natural potential for solar PV development. Yet, the country has not set ambitious targets for renewable energy sources, aiming for only 30.7% of its final energy consumption to come from RES by 2030.

How much solar energy will Romania have by 2030?

Romania has set an ambitious target to install over 8 Gigawatts of solar energy capacity by 2030, which is anticipated to constitute 24% of its gross final electricity consumption from renewable sources.

How many solar projects are there in Romania?

As of the latest data available, there are over 880 large-scale PV projects in Romania, boasting a cumulative capacity of approximately 46,600 MW. This impressive number showcases the country's commitment to harnessing solar energy as a clean and sustainable source of power.

Why should we invest in Romanian solar?

Econergy identified Romania as an important European renewables player at the end of the 2010s and has become a leading developer and investor in Romanian PV. We have learned where Romania's bold commitments create opportunity, where growth is delayed, and how Romania is weathering current international challenges. Solar regulation.

How much solar energy does Romania need?

In the context of the European ambitions, Romania would need to aim for 44.4% RES, meaning 11.1 GW of solar - 6.1 GW for utility-scale and 5 GW for rooftop PV1. Drivers for solar growth The last two years have been marked by significant legislative changes that underpinned the development of the Romanian PV sector.

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### ROMANIA: The second giant photovoltaic park of PPC in

The second large photovoltaic park project developed by PPC in Arad, taken over with the acquisition of Enel's businesses in Romania, is to obtain the establishment authorization this week. The first one got it last week. Thus, at the end of next year, PPC should have operational over 600 MWp in photovoltaics in Arad. "Draft

### ROMANIA: Romania will be in the top 20 worldwide for

The new entrants to the 1 GW market are the United Arab Emirates, Sweden, Saudi Arabia, Romania and Bulgaria, while Denmark and Israel, which were 1 GW markets in 2022, have not reached this threshold of new installations in 2023." shows Solar Power Europe.

### 12.8V 100Ah



### Romania clears 1.5 GWh wind and solar capacities under CfD

...  
 3 ???· Romania's Ministry of Energy announced on December 16 that it has completed the and contracts for over 1,500MW of new green energy production namely 11 applicants for solar photovoltaic

### Romania's Solar Energy Landscape: An Overview , PF

## Nexus

According to the International Renewable Energy Agency (IRENA), Romania is now considered one of the top ten solar markets in Europe, with a total installed solar photovoltaic capacity of 1,545 MW as of the end of 2023.



## Romania clears 1.5 GWh wind and solar capacities under CfD scheme

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## Romanian Renewable Energy Summit 2024

Govnet Romania is organizing, on September 19 th, the third edition of the most appreciated event on renewable energy in Romania, the Romanian Renewable Energy Summit 2024 at the Paradisul Verde Events Estate Corbeanca.. Romanian Renewable Energy Summit 2024 will bring together the most important active players in the renewable energy market, as ...



## With EU support, EBRD supports construction and ...

EBRD and Raiffeisen Bank International provide EUR110 million package for two solar plants in Romania, with InvestEU guarantee ; Plants totalling 300 MW will generate 386 GW/h of

renewable energy a year; EBRD ...



## Romania awards 432MW solar PV in oversubscribed CfD

3 ???· In comparison, a little bit over 1GW of wind capacity was awarded for the 1.2GW offered. The weighted average price of electricity production for solar PV was EUR51/MWh (US\$53.5/MWh), while wind



## The evolution of Romania's Solar PV market

its renewable energy journey - over 1 GW of new solar capacity installed in one year between distributed generation and utility scale projects. The new solar installations, equating to a 308% increase compared to the capacity deployed the previous year, have set a new record high since the early 2010s' surge in renewable energy. Solar PV is now

## Romania Joins the Global Solar Movement as the 118th Member ...

Romania joins the International Solar Alliance (ISA) as its 118th member, reinforcing its commitment to sustainable energy. President Klaus Werner Iohannis highlights Romania's goal

of achieving carbon neutrality through extensive solar capacity growth. The ISA, a global leader in solar initiatives, welcomes Romania's participation, fostering collaboration on ...



## Capacity of green energy projects ready to build in Romania rises ...

The capacity of the 87 wind and solar energy generation projects in Romania that have concluded power grid connection contracts, have a construction permit and also obtained a permit from energy



## With EU support, EBRD supports construction and operation of two solar ...

EBRD and Raiffeisen Bank International provide EUR110 million package for two solar plants in Romania, with InvestEU guarantee ; Plants totalling 300 MW will generate 386 GW/h of renewable energy a year; EBRD is a leader in green finance and strong supporter of Romania's renewables ambition



## Neutral Romania in 2050: New Energy Strategy's Top Priorities ...

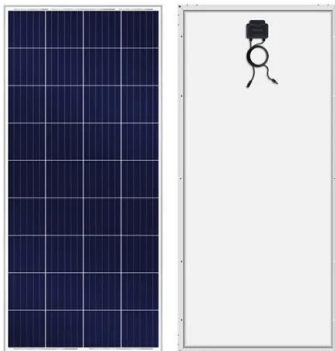
Romania has committed in its LTS (Romania's Long-Term Strategy for Reducing Greenhouse Gas Emissions - Neutral Romania in 2050) to an

installed wind and solar energy capacity of about 24 GW by 2035, indicating a 5-fold increase compared to the installed wind and solar energy capacities by 2021 (3 GW wind energy and 1.4 GW solar energy ...



## ROMANIA: Allview Solar Energy signed the contract with

The Visual Fan company, through the division specialized in green energy solutions, Allview Solar Energy, in association with Waldevar Energy, announces the signing of the contract with Autoliv Romania - world leader in the production of car safety systems, for the implementation of a Full EPC project with a capacity of 5.7 MW. The Full



## The Current State of Large-Scale PV Projects in Romania: A

Romania has set ambitious targets for developing renewable energy sources, including solar power. This article provides a comprehensive overview of the current state of large-scale PV projects in Romania, covering project details, readiness levels, key players, and the overall impact on the energy sector and the environment.

## DRI to Build New 60MW Solar Park in Romania

This is DRI's fourth renewable energy project in

Romania, bringing the company's renewable energy portfolio in the country to 299MW. The new project, Glodeni II, will be located alongside DRI's operational 53MW solar park in the same region, Glodeni I.



### GRADE A BATTERY

LiFePO4 battery will not burn when overcharged, over discharged, overcurrent or short circuited and can withstand high temperatures without decomposition.



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## The evolution of Romania's Solar PV market

With an average of 1,900 to 2,400 annual sunlight hours, Romania has significant natural potential for solar PV development. Yet, the country has not set ambitious targets for renewable energy sources, aiming for only 30.7% of its final energy consumption to come from RES by 2030. For solar, this translates into an objective of 5.05 GW, which



## SOLAR ENERGY BUCHAREST SUMMIT

Solar Energy Bucharest Summit is a regional event, a space created for professionals who see Romania as a dynamic market with a high potential for investment. The event will feature companies presenting their services and

products to a specialised audience of developers, investors and large consumers.



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