Solar power for agriculture Romania

After developing three smaller-sized photovoltaic (PV) parks in Romania, Danish company Eurowind Energy says it is about to kick off works at a 70MW solar electricity production capacity near...

Romania"s president has promulgated a new law to substantially simplify the permitting process for the development of renewable energy projects on agricultural land. The move follows the Romanian parliament"s adoption of amendments to Land Law No. 18/1991 in ...

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

Romania was a major player in the solar power industry, installing in the 1970s and 1980s around 800,000 m 2 (8,600,000 sq ft) of low quality solar collectors that placed the country third worldwide in the total surface area of PV cells. [6]

Romania plans to limit the surface under solar panels and accompanying equipment on pastureland to 20%. The draft decree on methodology for the agrisolar concept is under public discussion.

InterNET Ltd, a member of the OFRIM Group and operating through its Solar Energy Division, has engineered, integrated, and launched the first two agrivoltaics systems in Romania in June 2023. These pioneering systems synergistically combine dedicated photovoltaic systems with specific fruit crops.

The new plan aims for 36% of Romania"s energy to come from renewables by 2030 - higher than the figure allocated it by the European Commission - with 8.3 GW of solar and 7.6 GW of wind.

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Romania has a good solar potential for developing PVP projects, with solar irradiance values ranging from 1,000 to more than 1,350 kWh/m2/year, as shown in Figure 1. Figure 1. The solar potential in Romania [8].

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