



URLAȚI 2 PV PLANT

1.878 MW

ABOUT



URLAȚI 2 IS A PHOTOVOLTAIC POWER PLANT OWNED BY THE **ALIVE SUN POWER TWO S.R.L.**

It is located in the suburbs of Urlați, Prahova county, Romania, with a number of 7833 photovoltaic panels with a unit power of 255 Wp and distributed over an area 37,687.50 of square meters, capable of generating a capacity of 1.997 MW. Access to the park is made through several exploitation roads.



PERMITTING AND LICENSING

The photovoltaic power plant is operational and delivers energy to the grid, holding the License no. 1378 from 18.10.2013 for the commercial exploitation of electricity generation capacities. Also, in accordance with Law no. 220/2008 for the establishment of the system for promoting the production of energy from renewable energy sources, the power plant benefits from 6 GCs/MWh produced, based on Accreditation Decision no. 3003 from 18.10.2013 issued by Romanian Energy Regulatory Authority.

ENVIRONMENTAL AND SOCIAL CONSIDERATIONS

In order to carry out the activity of electricity production, the power plant operates based on the principle of sustainable use, according to Environmental Authorization no. 41/09.03.2023.

At the same time, although the energy production activity from renewable energy sources does not generate pollutants, special containers are installed in the park for the selective waste collection and the quality of the soil and the noise level are maintained in the limit values.

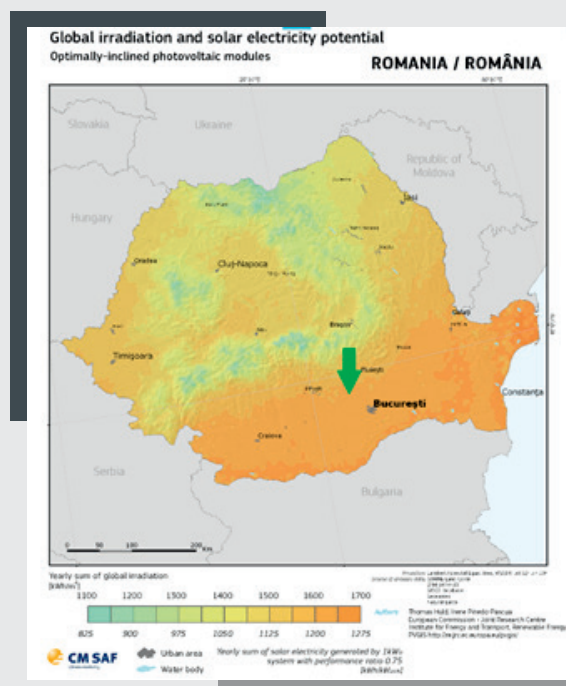
MAINTENANCE AND SECURITY

The park has an active internet connection for remote monitoring. The maintenance of the power plant is provided by a company specialized in the maintenance of electrical equipment, through periodic control and interventions.



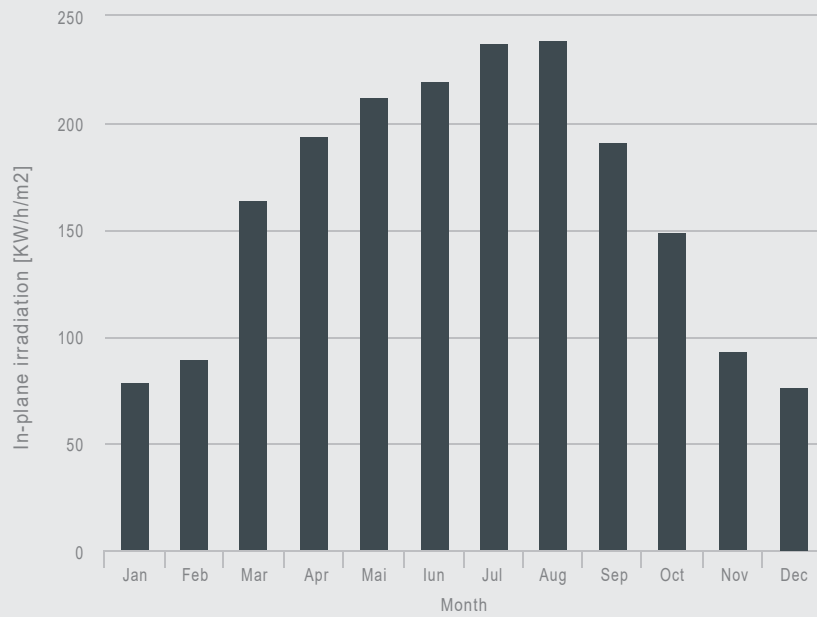
TECHNICAL DETAILS

Installed Capacity (MW): 1.878;
Modules: JC255M-24/Bbv monocrystalline;
RenaSola Virtus II model;
Mounting System: fixed system, on ground at a 30° slope;
Inverters: Power One Trio TL-X2F 30 KW x 58 pieces, Power One Trio TL-X2F 27.6 KW x 5 pieces;
Power Transformers: PTA_b 0.4/20 kV, two units of 1250 kVA.



GRID CONNECTION

The power plant is connected to the national energy system through LEA 20 kV Scorus. It injects the power generated at the voltage level of 20 kV into the distribution network managed by E-Distribuție Muntenia Nord S.A., according to the Connection Agreement no. R103566/2013.



Monthly in-plane irradiation for fixed-angle

Source: PVGIS ©European Union, 2001-2022.

ADDRESS



Urlați, Prahova county;
 Coordinates:
 44°59'07.8"N 26°14'44.1"E

Yearly in-plane irradiation:
 1603.04 kWh/m²
 (based on JRC PV GIS-SARAH2 database)