



SĂLCUȚA 1 PV PLANT

2,50 MW_p

ABOUT



SĂLCUȚA 1 IS A PHOTOVOLTAIC POWER PLANT OWNED BY **ALIVE RENEWABLES S.R.L.**

It is situated near Titu city in Dâmbovița province, Romania, occupying 51,440 square meters with 10,000 PV panels capable of generating an installed capacity of 2.50 MW. The lot is 500 meters from the "DN 7" national road and is accessible through a dirt road.



PERMITTING AND LICENSING

The PV plant is operational and delivers electricity to the grid under the Producer License no. 2244 from 09.12.2020. Also, according to the Law no. 220/2008 for establishing the system to promote the production of energy from renewable energy sources, it benefits of 6 GC/MWh produced through the Accreditation Decision no. 2311 from 09.12.2020 issued by Romanian Energy Regulatory Authority.

ENVIRONMENTAL AND SOCIAL CONSIDERATIONS

In order to carry out the activity of electric energy production, the PV plant operates on the basis of the principle of sustainable use, according to the Environmental Authorization no. 20/27.01.2020.

Also, although the activity of producing electricity from renewable sources is not generating pollutants, at the location are installed special containers for waste collection, and the quality of the soil and the noise level are maintained in the limit values.

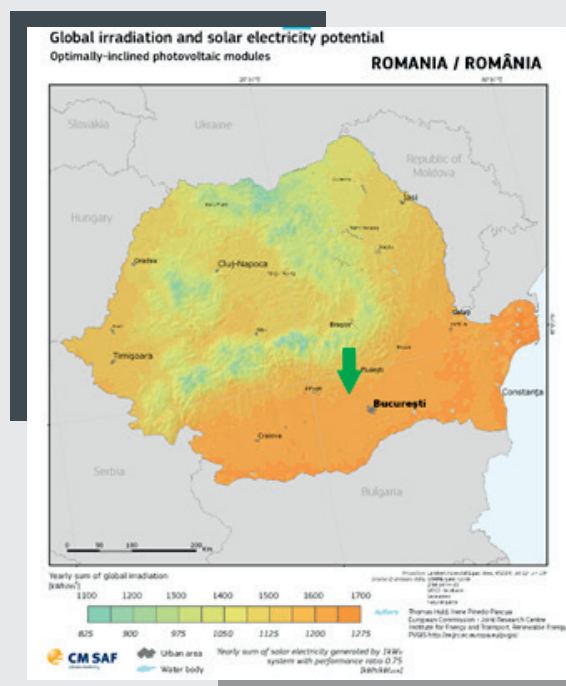
MAINTENANCE AND SECURITY

The security is achieved through chain link fences, a CCTV, camera system and security guards. The site has internet connection useful for remote monitorization. The O&M is provided by a specialized company for the maintenance of electrical equipment through and also the periodic inspection and adjustment.



TECHNICAL DETAILS

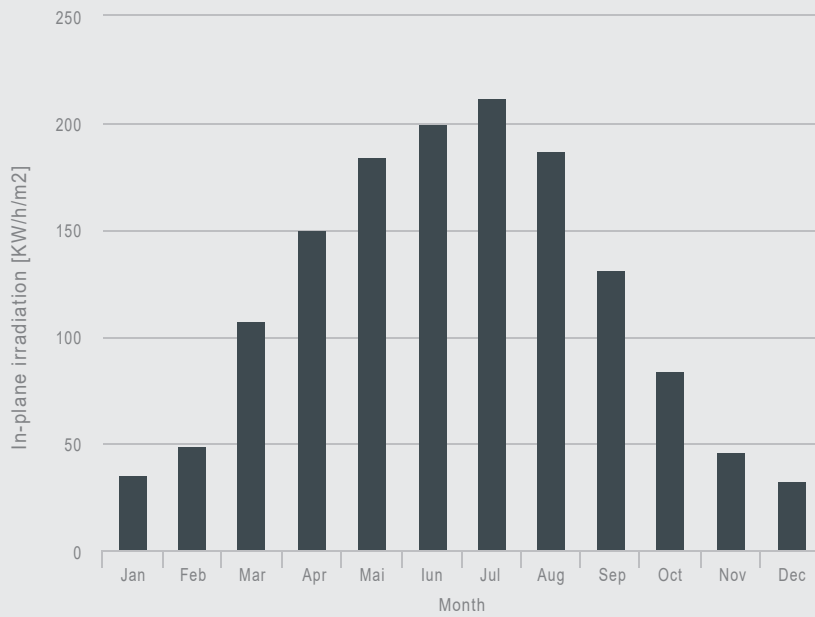
Installed Capacity (MW): 2.50;
Modules: Jinko Solar JKM250p-60 (250 W), polycrystalline;
Inverters: TRIO-27.6-TL-OUTD (27.6 kW), Power-One type;
Mounting System: fixed system; on ground at a 30° slope;
Panel orientation: 0,00° SOUTH;
Power Transformers: Newton 0.4/20 kV, 1,250 kVA, oil insulated.



GRID CONNECTION

The PV plant is connected to the national energy system through LEA Avicola 1 to 110/20 kV Substation „Titu” and has a Nominal Voltage of power output of 20 kV.

The local electricity distributor is Distribuție Energie Electrică România S.A. with Technical Connection Permit no. 30601321278 from 15.01.2014.



Monthly in-plane irradiation for fixed-angle

Source: PVGIS ©European Union, 2001-2021.

ADDRESS



T76, P477/1/4, Sălcuța neighbourhood,
Titu city, Dâmbovița province
Coordinates:
44°37'35.5"N / 25°35'47.8"E

Yearly in-plane irradiation:
1600.00 kWh/m²
(based on JRC PV GIS-SARAH database)