

According to the Global Atlas of the International Renewable Energy Agency (IRENA), the annual power generation of solar photovoltaic systems varies between 1,450 kWh per kilowatt-peak (kW p) in the northwest region and 1,830 kWh per kW p in the extreme southeast. Tunisia enjoys a high rate of sunshine, exceeding 3,000 hours per year.

In 2009, the Tunisian government adopted "Plan Solaire Tunisien" or Tunisia Solar Plan to achieve 4.7 GW of renewable energy capacity by 2030 which includes the use of solar photovoltaic systems, solar water heating systems and solar concentrated power units. The Tunisian solar plan is being implemented by STEG &#201;nergies Renouvelables (STEG ...

Explore the solar photovoltaic (PV) potential across 13 locations in Tunisia, from Bizerte to Mahdia. We have utilized empirical solar and meteorological data obtained from NASA's POWER API to determine solar PV potential and identify the optimal panel tilt angles for these locations.

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