



# Tunisia highbridge solar system

What is a photovoltaic power plant in Tunisia?

In Tataouine, in the governorate of Tunisia that goes by the same name, a photovoltaic power plant is in operation that can reach a maximum installed capacity of 10 MW to supply more than 20 GWh of energy per year to the national grid. The plant is equipped with a solar tracking system that optimises the energy that is produced.

Why should you invest in solar power in Tunisia?

Nur Energie has built and maintained a solar weather station for 3 years on the TuNur site to receive real time solar data on the ground. Tunisia has up to 20% better radiation than some of the best sites in Europe, and the Sahara desert provides significant land to develop large scale solar power projects.

Will Tunisia be able to generate 30% of its electricity by 2030?

Tunisia has a target of generating 30% of its electricity from renewable energy sources by 2030. The south of the country, where our Adam and Tataouine power plants are located, is an ideal area for solar power generation.

Does Tunisia have solar power?

Tunisia has significant solar potential given the country's high irradiance, ranging from 1800 kWh/m<sup>2</sup> per year in the North to 2600 kWh/m<sup>2</sup> per year in the South. This equals approximately 1,980 sunshine hours per year.

What is TuNur energy doing in Tunisia?

In Tunisia, Nur Energie is developing the world's first CSP solar export project between North Africa and Europe. For more information about the TuNur project please visit the TuNur company website:

How much energy does Tunisia produce?

Source: IRENA. According to Global Energy Monitor, Tunisia has a generating capacity of 6,079 MW total, comprised of oil and natural gas (5,771 MW), solar (55 MW), and onshore wind (253 MW).

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GIZ is helping the Tunisian Government to implement its Solar Plan and smoothly integrate electricity from renewable energy sources into the Tunisian grid.

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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.

Tunisian solar panel installers - showing companies in Tunisia that undertake solar panel installation, including rooftop and standalone solar systems. 38 installers based in Tunisia are listed below.

Aeolus remains committed to contributing to the development of Tunisia and other African countries through renewable energy projects," says Aeolus CEO Hideharu Toba. "We are proud to partner with Scatec and Aeolus ...

"A Techno-Economic Analysis of Off-Grid Solar PV System: A Case Study for Punjab Province in Pakistan", Processes, vol.7, pp.1-14, 2019. A S S .Al-Qahdan, T M N T. Mansur, N H .Baharudin, et al.," Optimal Design of Solar Photovoltaic Power System with Battery Storage for Sustainable Campus Buildings", J. Phys.: Conf. Ser, vol.1878, 2021 .

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The solar plant is being implemented by Kairouan Solar Plant, a project company registered in Tunisia and fully owned by AMEA Power, and will be located in Metbassta, Kairouan governorate. The project is being financed by IFC, a member of the World Bank Group, and the African Development Bank (AfDB).

The applications of solar energy in Tunisia are diverse. Solar PV systems are increasingly installed in residential, commercial, and industrial settings to generate electricity. Large-scale solar farms, such as the Tozeur photovoltaic plant, feed into the national grid, enhancing energy availability[10]. Solar water heating

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