

Tunisia Photovoltaic Power Generation and Energy Storage Service Project

Is Tunisia building a solar power plant?

Tunisia has commenced construction on two 10 MW solar projects in Kasserine Governorate, developed by energy firms Qair and Mazarine. In September 2024, the country also began building a 50 MW solar plant in Tozeur, a TND 135 million project led by Norway's Scatec and Toyota subsidiary Aeolus.

What is the productivity of PV solar systems in Tunisia?

With these favourable conditions, the productivity of PV solar systems in Tunisia is very high. According to IRENA's Global Atlas, annual electricity production by PV solar systems varies between 1 450 kWh per kilowatt-peak (kWp) in the northwest region and 1 830 kWh/kWp for systems installed in the extreme southeast region.

What are grid-connected solar PV systems in Tunisia?

Grid-connected solar PV systems are recent in Tunisia. Their installation started upon the issuance of Law No. 2009-7, which authorises self-production of electricity from renewable energy sources. Grid-connected solar PV has mainly been implemented through the Prosol électrique programme, initiated in May 2010 by ANME and STEG.

Will the GOT build a power plant in Tunisia in 2024?

In 2024, the GOT is also expected to launch a tender for the construction of at least one 470-550 MW combined-cycle power plant in Skhira (south Tunisia) as an IPP. In May 2018, the Ministry of Energy and Mines published a call for private projects to build renewable power plants with a total capacity of 1,000 MW (500 MW wind and 500 MW solar).

Who produces electricity in Tunisia?

State power utility company STEG controls 92.1% of the country's installed power production capacity and produces 83.5% of the electricity. The remainder is imported from Algeria and Libya as well as produced by Tunisia's only independent power producer (IPP) Carthage Power Company (CPC), a 471-MW combined-cycle power plant.

What percentage of Tunisia's electricity is renewable?

In 2022, only 3% of Tunisia's electricity is generated from renewables, including hydroelectric, solar, and wind energy. While STEG continues to resist private investment in the sector, Parliament's 2015 energy law encourages IPPs in renewable energy technologies.

What are Tunisia's energy projects? One third of the projects will be for wind farms and two thirds for solar photovoltaics. Tunisia's national grid is connected to those of Algeria and Libya which ...



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This landmark project will be the first large-scale privately financed grid-connected solar independent power producer in the country and will support the government of Tunisia's ...

The World Bank is looking to recruit a technical consultant that will advise on a proposed large-scale solar-plus-battery storage project in Tunisia. The consultancy work will ...

Tunisia is planning to develop a 130 megawatts (MW) solar power plant in Gabès Governorate in the south east, with construction scheduled to start in early 2026, a local ...

Distributed photovoltaic generation and energy storage systems: ... Fig. 3 presents a schematic diagram of a photovoltaic system connected to an electrical distribution grid; in this case the ...

This report highlights Tunisia's enormous photovoltaic potential while reflecting Tunisian political and economic developments. Tunisia's climate presents a key solar energy opportunity and, ...

Status, trend, economic and environmental impacts of household solar photovoltaic development in ... 1. Introduction To achieve the national target that renewable power would meet half of ...

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