

SolarTech Power Solutions

Tunisia develops energy storage photovoltaic power generation



Overview

Is Tunisia ready for a large-scale solar project?

It previously completed a 500 MW solar tender in December 2019. In October 2024, Tunisia launched a new tender for 200 MW of large-scale solar, with submissions due by Jan. 15, 2025. Tunisia's total solar capacity reached 506 MW by the end of 2023, according to the International Renewable Energy Agency (IRENA).

How many solar projects are in Tunisia?

Tunisia's Minister of Industry, Mines and Energy, Fatima Al-Thabat Shibb, has approved four solar projects with a combined capacity of 500 MW. France-based Qair International will build a 100 MW facility in the Kasr region of Gafsa province and a 200 MW project in the Al-Khabna region of Sidi Bouzid Governorate.

How much electricity does Tunisia get from renewable sources?

Tunisia aims to generate 30% of its electricity from renewable sources by 2030. The country currently gets only 3% to 6% of its electricity from renewable sources, mostly from wind and hydro. Solar energy capacity is at 35 megawatts (MW). In addition to wind and hydro, the Tunisian government plans to use biogas to produce renewable energy.

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).

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.

How is Tunisia advancing utility-scale solar?

Tunisia is advancing utility-scale solar through a series of tenders, including the latest procurement round launched in January 2023. It previously completed a 500 MW solar tender in December 2019. In October 2024, Tunisia launched a new tender for 200 MW of large-scale solar, with submissions due by Jan. 15, 2025.

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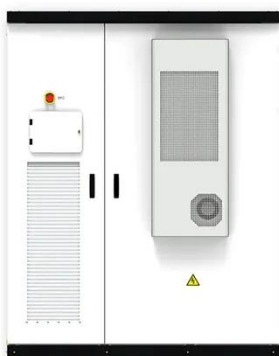


Energy storage and sustainability Tunisia

Under these conditions, the simulation for Tunis indicated an average solar field efficiency of 40%, an average biogas consumption of 1564 m³ /day, a solar share of 27.5%, and an electrical ...

Power plant profile: Kairouan Solar PV Park 3, Tunisia

Oct 21, 2024 · About AMEA Power AMEA Power LLC (AMEA), a subsidiary of Al Nowais Investments LLC, is a power producer of renewable and thermal power projects. It acquires, ...



Scatec signs 25-year contract for 120 MW solar plant in Tunisia

Aug 2, 2025 · Scatec has signed a 25-year power purchase agreement with STEG for a 120 MW solar project, strengthening its presence in Tunisia and cooperation with Japan's Toyota ...

Tunisia: Qair Awarded 300 MW for Two Solar Projects in

Tunis, January 22, 2025 - Renewable energy company Qair has been awarded c. 300 MW in Tunisia for the development of two solar projects located in Khobna (198 MWp) and Gafsa

...

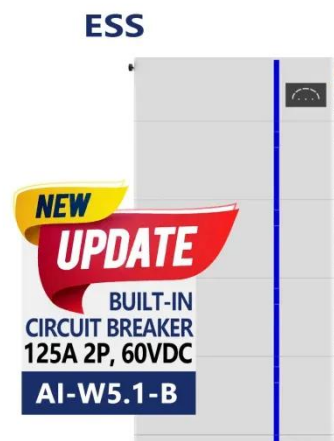


Qair launches two PV projects in Tunisia for 2030

Apr 18, 2024 · Energy targets and emissions reductions By implementing these photovoltaic power plants, Qair aims to contribute to Tunisia's energy diversification objectives and reduce ...

Energy storage and sustainability Tunisia

How efficient is a solar system in Tunis? Under these conditions, the simulation for Tunis indicated an average solar field efficiency of 40%, an average biogas consumption of 1564 m³ /day, a ...





Tunisia Energy Storage Power Station Factory Operation ...

Mitsubishi Power has a 40-year heritage in Tunisia, which began with the delivery of power generation solutions, in terms of gas and oil-fired boilers and steam turbines for Rades A, a ...

Tunisia set to boost its eco credentials

Tunisia, which has real potential for renewable resources, is about to harness its wind and solar capabilities The European Bank for Reconstruction and Development (EBRD) and the French ...



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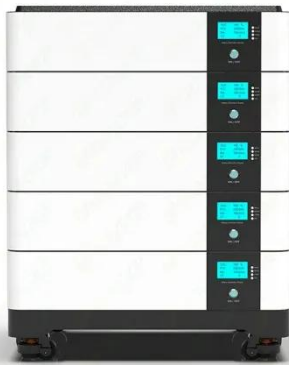
Tunisia Photovoltaic Energy Storage

Renewable and Sustainable Tunisia's Ministry of Industry, Mines and Energy has launched a tender for the construction of several large-scale PV projects with a combined capacity of 200 ...



POWER SECTOR TRANSITION IN TUNISIA

Power generation and energy storage sector Technology costs for battery storage continue to drop quickly, largely owing to the rapid scale-up of battery manufacturing for electric vehicles, ...



Tunisia Secures EUR79M Deals for Solar Power ...

Oct 4, 2024 · The EUR79 million projects aim to help Tunisia achieve 35% renewable energy by 2030 and reduce reliance on fossil fuels. These solar plants will ...

A review of energy storage technologies for large scale photovoltaic

Sep 15, 2020 · With this information, together with the analysis of the energy storage technologies characteristics, a discussion of the most suitable technologies is performed. In addition, this ...



RENEWABLE ENERGIES:



May 18, 2025 · The ELMED interconnection project, which will link Tunisia to Italy by 2028, will play a key role in stabilizing energy supply, while supporting the energy transition in Tunisia ...

Tunisia - Two agreements signed for the ...

Feb 21, 2025 · The Minister of Energy and Mines, Fatima Chiboub, along with Faycal Trifa, Managing Director of Société Tunisienne d'Électricité et de Gaz, ...



Tunisia: Qair signs project agreements with the Tunisian ...

Paris & Tunis, March 24, 2025 - Qair, an independent renewable energy company, has signed power purchase agreements and concession contracts with the Tunisian government for the ...

Tunisia Photovoltaic Energy Storage Project

Tunisia's 70 MW PV tender attracts lowest bid of EUR0.035/kWh Tunisia's Ministry of Energy, Mines and Renewable Energies has received 57 project proposals for its fifth tender to develop and ...



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