

Kongres Container

Tunisia is developing solar and energy storage



Overview

Tunisia's Minister of Industry, Mines and Energy, Fatima Al-Thabat Shibb, has approved four solar projects with a combined capacity of 500 MW Battery Energy Storage System (BESS). Can Tunisia build a reliable electricity supply?

We found that Tunisia can cost-effectively build a reliable electricity supply based on local power generation, with high proportions of solar and wind power. With an onshore wind potential greater than 30 times the projected 2050 demand and a solar potential greater than 100 times that demand, Tunisia has exceptional renewable energy potential.

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.

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).

What is Tunisia's renewable potential?

Tunisia's renewable potential is exceptionally diverse, and not limited to solar and wind power. The values for the full range of renewable technologies is shown below (Table 37).

Does Tunisia have solar power?

Scenario 2: See 1, with the additional restriction that excludes areas ≤ 10 km

from existing transmission lines (PT10). Tunisia is blessed with huge solar and wind energy resources. Scenario 1 provides 139,748 km² of areas with solar potential and a total potential for utility-scale solar PV capacity of 3,494 GW.

Are solar and wind power plants a viable option in Tunisia?

Consequently, renewables achieved a global market share of over 80% of all newly built power plants in 2021⁷⁹. Tunisia has high-quality and substantial solar and wind resources, with either solar or wind potential alone able to cover projected electrical demand by 2050 many times over, based on GIS mapping results (projected demand in 2050:

Tunisia is developing solar and energy storage

Contact Us

For catalog requests, pricing, or partnerships, please visit:
<https://www.drugiswiatowykongrespolakow.pl>