

SolarTech Power Solutions

Tunisia Energy Storage Power Station Grid Connection Requirements



Overview

Does Tunisia have a power grid?

Tunisia's national grid is connected to those of Algeria and Libya which together helped supply about 12% of Tunisia's power consumption in the first half of 2023. Moreover, in August 2023, Tunisia's sub-sea connection project with Italy, called ELMED, was approved for \$337 million funding from the European Commission.

Why is Tunisia investing in a secure electricity network?

To ensure a resilient electricity network, Tunisia is investing in modern, secure infrastructure. 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 and Europe.

Who approves electricity installations in Tunisia?

Installations connected to the low-voltage grid need approval from the Tunisian Company of Electricity and Gas (STEG). Installations connected to the medium- and high-voltage grids require an authorisation from the Ministry of Industry, Energy and Mines.

Who regulates electricity in Tunisia?

MEMTE is responsible for electricity infrastructure, planning and the implementation of national policy in the field of electricity, energy efficiency and renewable energy, with regulatory oversight also carried out by the ministry. Yet, Tunisia has no independent regulator.

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 together helped supply about 12% of Tunisia's power consumption in the first half of 2023.

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.

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