

SolarInnovate Energy Solutions

Tunisia user-side energy storage power station



Overview

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.

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.

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).

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.

How much power does Tunisia produce?

Tunisia has a current power production capacity of 5,944 megawatts (MW) installed in 25 power plants, which produced 19,520 gigawatt hours in 2022.

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Can Steg meet peak summer electricity demand in Tunisia?

STEG is hard-pressed to meet peak summer electricity demand, let alone keep up with Tunisia's annual 5% growth in power consumption. Approximately 97% of Tunisia's electricity is generated from fossil fuels, mainly natural gas. Through June 2023, nearly 47% of Tunisia's natural gas needs were met through imports (mainly from Algeria).

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