

# **Togo solar Power Generation System**





## Overview

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(Togo First) - Togo is preparing to launch an ambitious 400-megawatt (MW) solar energy development project as part of its strategy to achieve universal access to electricity by 2030. Is wind energy a viable alternative to solar energy in Togo?

Compared to solar energy, wind energy is making a tentative start in Togo. So far it has only been used to pump groundwater. Initial explorations had shown that the Togolese wind resource is not competitive compared to other sources on utility-scale.

How much energy does Togo use?

In total, electricity supply of 1.162 GWh is thus achieved through distribution losses, resulting in a final electricity consumption of 876 GWh. Togo's total energy consumption is divided into three sectors. The largest share, 76%, is in the use of biomass, followed by petroleum products 20%. Only 4% of energy is used in the form of electricity.

How many power plants are there in Togo?

Currently, seven power plants are operated with fossil fuels in Togo with a cumulated capacity of ~260 MW. These so-called thermal power plants use thermal gas, thermal oil and thermal DDO to produce electrical energy. Most of the power plants of this type are managed by the grid operator and utility CEET.

Where does Togo's energy come from?

Togo's energy consumption comes from three sources: biomass, petroleum products and electricity. Biomass consumption comes entirely from domestic resources. The total production amounts to 31.788 GWh of primary energy, with the largest part coming from firewood and the rest from plant waste.



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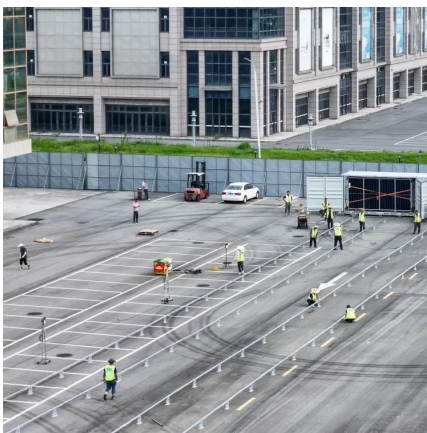


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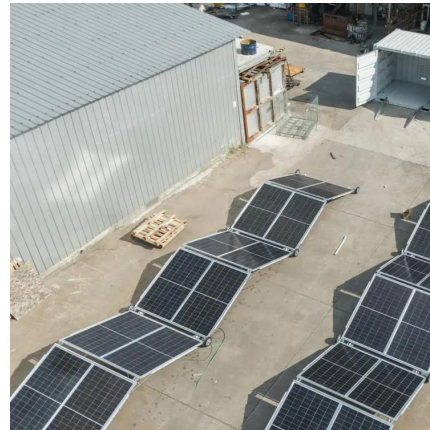
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