



**SolarTech Power Solutions**

# **Solar power generation and energy storage prices in the Democratic Republic of the Congo**



## Overview

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Does the Democratic Republic of Congo have wind and solar power?

oltaic (PV) and wind resources in the Democratic Republic of Congo. It presents some of the findings from a detailed technical assessment that evaluate oil and wind generation capacity to meet the country's pressing needs with quick wins DRC has an abundance of wind and solar potential: 70 GW of solar and 15 GW of wind, for a total of.

How much does solar energy cost in DRC?

Equipping the remaining two thirds of the population with Tier 2 access to electricity through solar home systems comes with a much lower price tag, estimated at about USD 3.3 billion. Only a few private operators both local and international - have started to get into the DRC market.

What is the electricity access rate in the Democratic Republic of Congo?

The public version of the resulting report of the effort is available here. The Democratic Republic of Congo's national electricity access rate is estimated at 19%. Less than 1% of the rural population and 41% of the urban population has energy access. Of the country's 10 million households, only 1.6 million have access to electricity.

What is the energy potential of the DRC?

The DRC has immense and varied energy potential, consisting of non-renewable resources, including oil, natural gas, and uranium, as well as renewable energy sources, including hydroelectric, biomass, solar, and geothermal power.

Will solar and wind power be cost-competitive in DRC?

Solar and wind will provide affordable, cost-competitive electricity. Solar PV and wind power would be cost competitive in DRC, with nearly 60 GW of solar PV potential located along existing transmission lines at a total of LCOE4 of less

than 6 U.S. cents per kWh. In addition, nearly al.

What solar projects are being built in the DRC?

The main existing solar project in the DRC is a 1MW solar mini-grid with 3MWh of battery storage capacity built by Enerdeal and Congo Energy in the city of Manono, to supply the local population and SMEs. Enerkac has also developed a 1MW hybrid plant powering SNEL's Kananga mini-grid in Kasai Central (non operational in 2019).

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