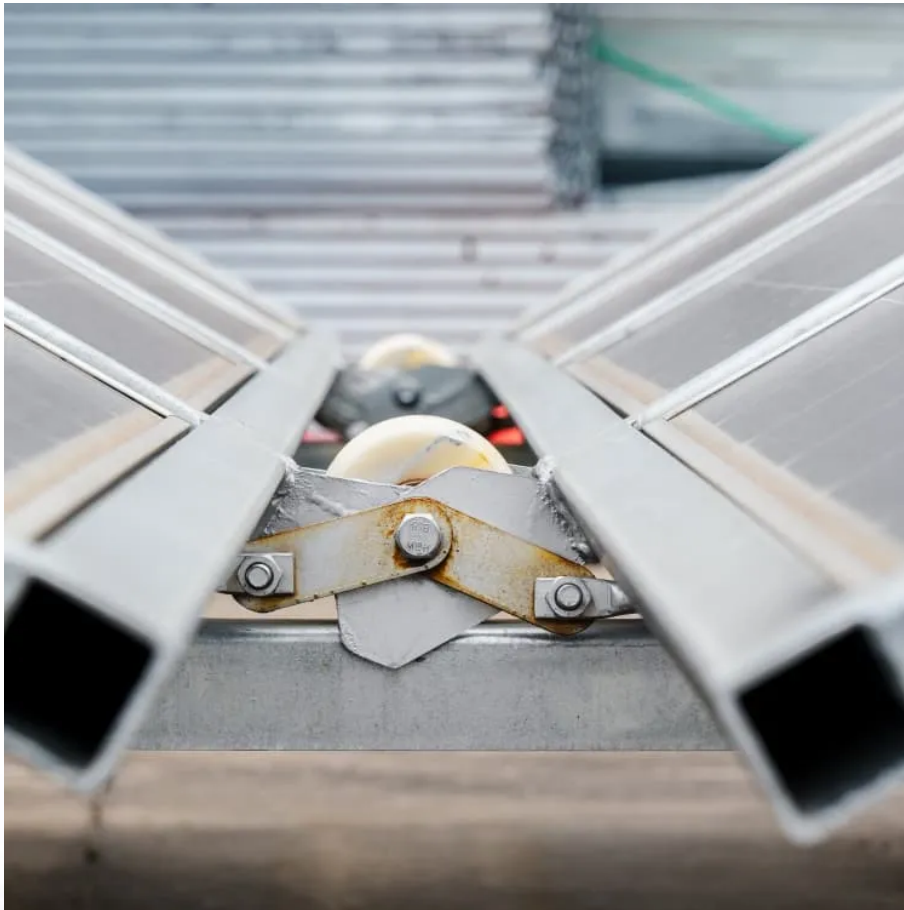


Congo DRC distribution network energy storage cost





Overview

How much would it cost to get grid electricity in DRC?

Providing all households of the 26 provincial capitals of DRC access to grid electricity through a mix of mid-sized hydro and solar power plants would cost approximately USD 10.5 billion in CAPEX. This would raise the access rate to about a third of the population, at a cost equivalent to 30% of GDP.

What is the main priority for the Democratic Republic of Congo's power sector?

The main priority for the Democratic Republic of Congo's power sector is to increase access to electricity. The Democratic Republic of Congo is a large country with 10 million households of which 1.6 million have access to electricity. This makes it the third largest population in the world without access to electricity.

How much does solar energy cost in DRC?

Equipping the remaining two third 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.

How can we better understand electricity demand in the DRC?

To better understand present and future electricity demand in the DRC, a concerted effort by public agencies and donors, under the leadership of the Ministry of Energy and Hydraulic Resources to collect better data will be needed, as will a flexible approach to quickly factor evolving demand growth.

How many people live without electricity in the DRC?

This makes it the third largest population in the world without access to electricity. If electrification efforts follow the same pace as during the last decade, 84 million people – or 80% of total population – will still live without



electricity in the DRC by 2030.

Are there solar mini-grids in the DRC?

Some mini grids are already operating in the region. EDC has 400 customers in Tshikapa (Lungundi I)³⁹. 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.



Congo DRC distribution network energy storage cost



Leading Solar in the DRC

Leading solar in the DRC Founded in 2013, Altech is a Congolese founded and managed PAYGo solar company, that is leading off-grid energy development in the Democratic Republic of ...

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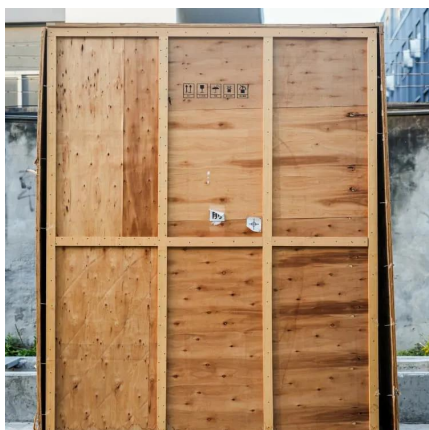
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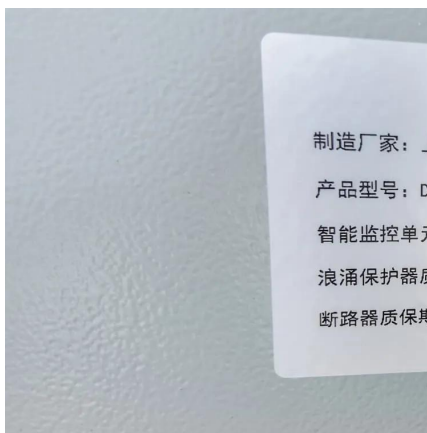
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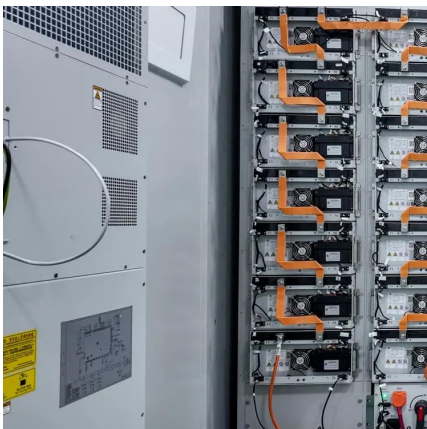
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