

# Congo Republic portable solar panels and battery

Could solar power be the future of energy in Congo?

Congo is one of the top five oil producers in Sub-Saharan Africa. But despite its rich energy resources, the electrification rate is low, especially in rural areas, mainly because of a lack of electricity infrastructure. But solar power could be the future as it is also said to be cheaper for households.

How much power does DRC need?

Even with new solar and wind DRC could only satisfy between 15 and 55% of total demand. This leaves between 45% and 85% needing offgrid power or 16 GW of installed solar capacity ! Same applies to clean water as only 23% have access.

How much solar power is available in Kinshasa?

In the area around Kinshasa there is a further 6 GW of solar available at 7 US cents per kW hr. There is also sufficient for the rural areas around Kinshasa, Mbandaka on the Congo river and the main port of Matadi. It can even be exported over the river to Brazzaville.

Will the DRC benefit from the Inga?

Currently the DRC only has 2.5 GW installed and no early benefit from the Inga. However solar and wind is available now. Existing HEP could fill in the 'gaps' when solar is not available. However offgrid power is essential in the rural areas and small towns across this vast country.

Is the DRC a hydroelectric country?

This has given it enormous potential for hydro electric power and almost 100% of its grid power is HEP. The DRC is the largest country in Sub Saharan Africa occupying 2,345,000 km<sup>2</sup> with 3.32% as standing water including rivers and lakes. Its sheer size, lush vegetation and landscape has been its problem since independence in 1960.

What was the main transport artery in the Congo?

When Europeans entered the Congo in the mid 19<sup>th</sup> Century the Congo river was the main transport artery. During the Belgian colonial rule they operated a series of ferries that worked like a train service from Kisangani all the way to Kinshasa calling at each river port. Direct ferries are now long gone as there are major problems with navigation.

DRC - Solar for the Congo. The Democratic Republic of the Congo (DRC) is the heart of Africa. Its rainforest is one of the two carbon sinkholes of the world. It's the 2<sup>nd</sup> largest rainforest remaining in the world and it sits astride the Congo ...

India's Soleos Energy, in partnership with Melci Holdings, has started building a 200 MW solar park in the

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Democratic Republic of the Congo (DRC). The project is set for commissioning by late 2026.

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Soleos Energy and Melci Holdings are set to build a 200-MW solar photovoltaic plant in the Democratic Republic of Congo (DRC), with a groundbreaking ceremony scheduled for October 19 in Fipango, Haut-Katanga province. The project, valued at \$200 million, will begin construction shortly after the ceremony, aiming for completion by late 2025.

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