

SolarTech Power Solutions

Democratic Republic of Congo outdoor wind power base station



Overview

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

Photovoltaic (PV) and wind resources in the Democratic Republic of Congo. It presents some of the findings from a detailed technical assessment that evaluate solar 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 85 GW.

What is the power sector in DR Congo?

Revised in September 2023, this map provides a detailed view of the power sector in DR Congo. The locations of power generation facilities that are operating, under construction or planned are shown by type - including liquid fuels, natural gas, coal, hybrid, hydroelectricity, solar PV and methane.

Does Congo have a potential for renewable power generation?

As mentioned earlier, the country possesses a significant potential for renewable power generation, which is illustrated further as follows :

Hydropower: For which the Congo River is the main source, with an average flow rate 42,000 m³ /s. Biogas: Coming mainly from both plant and animal waste.

What are the main sources of energy in the Congo?

Hydropower: For which the Congo River is the main source, with an average flow rate 42,000 m³ /s. Biogas: Coming mainly from both plant and animal waste. Solar: The DRC has noticeably high solar radiation averaging 6 kWh/m² /day.

Where is the Democratic Republic of Congo located?

The Democratic Republic of Congo (DRC) is in the center of sub-Saharan Africa. DRC is bordering the Central African Republic to the north, the Republic of Congo to the north-west & South Sudan to the north-east. On the eastern

borders lie Uganda, Rwanda, Burundi & Tanzania (with Lake Tanganyika separating the borders).

What is the main energy source in DRC?

Hydropower comes as the number one and major energy supplier in the country, with biomass (wood & agricultural residues) and oil as the secondary ones . 99% of the DRC's produced electricity comes from hydropower, while both oil and gas account for the remaining 1% .

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