

Kongres Container

Solar power generation for home use in Liberia



Overview

How can Liberia improve energy security?

One strategy is to diversify the energy mix by increasing the share of domestic renewable energy sources, such as solar and wind power, for electricity generation. By harnessing these indigenous and sustainable energy resources, Liberia can decrease its reliance on imported fuels and enhance its energy security.

How much solar power does Liberia have?

According to estimates by the World Bank Group, Liberia has a solar potential of ~5.4 kWh/m² per day, with up to 6.5 h of sunshine per day on average . Similarly, Liberia has considerable hydroelectric power potential due to its numerous rivers and other resources.

Will Liberia get a 20 MW power supply in 2020?

In addition, the government signed a Power Purchase Agreement with a solar energy company to provide the country ≥ 20 MW of electricity in 2020 . Despite these efforts, much work remains to be done to improve access to reliable and affordable energy in Liberia.

How will Liberia's energy policy change?

“Liberia is committed to increasing its share of renewable energy to 75% from the current 67%, while the generation base is expected to increase by 150%. “Liberia aims to mobilise \$70 million of private capital for utility-scale solar and another \$80 to \$100 million for [distributed renewable energy] and clean cooking.”.

How much energy does Liberia produce a year?

Liberia also has abundant biomass resources, with estimates suggesting that the government can produce up to 27,452 GWh of electricity from biomass annually . Expanding these resources can provide sustainable and

decentralized energy solutions, particularly in rural and remote areas.

What is Liberia's sustainable power?

Liberia's Sustainable Power. We harness the most valuable resource in rural areas —tight-knit communities — to provide life-changing products and services, starting with access to solar electricity. Electricity creates opportunities — opportunities to learn, communicate, start a business, and build a better life.

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