

## A-Core Container

# Solar panels for power generation in Liberia



## Overview

---

Hundreds of homes as well as clinics and schools in northern rural Liberia are set to be powered by solar mini-grids – part of a wider electrification drive aimed at bringing a stable electricity supply to thousands more. 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.

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.

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  $\geq 20$  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 much solar power does Liberia have?

According to estimates by the World Bank Group, Liberia has a solar potential of  $\sim 5.4$  kWh/m<sup>2</sup> 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.

What are the main energy sources in Liberia?

The primary energy sources in Liberia are traditional biomass fuels such as firewood and charcoal, which account for more than 80 % of the country's total energy consumption [5, 12, 13]. Petroleum products, including gasoline and diesel, account for about 10 % of energy consumption, while hydroelectric power accounts for just over 6 % .

Why is electricity important in Liberia?

Electricity creates opportunities — opportunities to learn, communicate, start a business, and build a better life. Less than 1% of rural Liberians have access to electricity even though reliable, safe electricity is now affordable for nearly anyone. We aim to serve the remaining 99% Community Focused By focusing on tight-knit communities,

## Solar panels for power generation in Liberia

---

### Contact Us

---

For catalog requests, pricing, or partnerships, please visit:  
<https://a-core.pl>