

## A-Core Container

# Power supply for small communication base stations in South Sudan



## Overview

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Do health institutions in South Sudan have access to electricity?

About 30% of South Sudan health institutions do not have access to electricity. However, there were disparities where 15.0% of health institutions in urban areas lacked access to electricity compared to 33.2% of health institutions in rural areas reported lacking electricity access.

How can humanitarian agencies contribute to solar energy in South Sudan?

Refugee contexts in countries such as Jordan have also led to the increased transition to solar energy through donor-led initiatives. Humanitarian agencies can also play a critical role in generating demand for solar systems in South Sudan refugee settlements, where biomass is predominantly used as energy source (Lemi & La Belle, 2020).

Which institutions provide important services in South Sudan?

In addition to households, this study examined energy demand for three types of institutions that provide important services in South Sudan, 1) health, 2) educational, and 3) government and NGO offices.

What is the governance of the energy sector in South Sudan?

The institutional and regulatory governance of the off-grid energy sector in South Sudan is still nascent. Table 2 below lists the major players participating in the governance of the energy industry and their positions as defined by applicable laws.

Where can I buy solar panels in South Sudan?

Their largest market is the Central Equatoria state. Founded in 2011 and opened its first branch in Asmara, Eritrea. Branches located in South Sudan, Uganda, and Dubai. In South Sudan, they have shops in Yei, Wau, Juba and Malakal. -Specialise in large solar home systems with a minimum capacity of 600W onwards.

## Is finance a barrier to developing a mini-grid supply chain in South Sudan?

The lack of access to finance was identified as a critical barrier to developing the of-grid and mini-grid supply chain in South Sudan. One of the respondents in the study reported that financial institutions charge high interest rates, up to 22%, thus making it unattractive to borrow money to expand business activities.

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