

**Espay Solar Energy S.L.**

# **South sudan rural microgrids**



## Overview

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Renewable energy minigrids, and in particular solar-battery minigrids, offer great potential to address the 733 million people globally – including 567 million in sub-Saharan Africa – who currently don't have access to electricity. EarthSpark supported SunGate Solar, a leading solar installer in South Sudan, to launch the country's first solar-powered community microgrid. Some 6,800 miles away from EarthSpark's flagship microgrid in Les Anglais, Haiti is the small rural market town of Wanyjok, South Sudan. In 2020, the World Bank, in response to South Sudan's transitional government's request, set up the Pathways to Electricity Access Expansion in South Sudan project. This initiative will provide affordable, clean energy to communities that have traditionally relied on diesel generators and firewood—a critical development for a nation with one of the lowest. In September 2022, SunGate Solar and its partners, Humanitarian Grand Challenges, Village Help for South Sudan, Dunn Family Charitable Foundation, EarthSpark International, and PowerGen launched South Sudan's first solar microgrid in the rural market town of Wanyjok combining a solar array (55. The solar minigrids will combat hunger and encourage sustainable farming practices. The world's newest country is now home to an innovative sustainable farming project powered by minigrids. This minigrid opportunity is centered around falling hardware costs.

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### The Africa Minigrids Program

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### Pathways to Electricity Access Expansion in South Sudan , Off

In 2020, the World Bank, in response to South Sudan's transitional government's request, set up the Pathways to Electricity Access Expansion in South Sudan project. As part of the initiative, the World ...



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### World Bank Document

However, government sources indicate that rural micro and mini-grids exist in a few rural centres in South Sudan, including Yei (1.5 MW), Kapoeta (0.8 MW), and Maridi (0.8 MW), with a total capacity ...



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### Strategic options for building a new

## electricity grid in South Sudan

This article presents a case study of the struggles of South Sudan, the newest country to develop a new electricity grid, and the strategic choices it faces in a post-conflict situation.



## Sunnova Partners with Non-Profit To Provide Minigrids in South Sudan

To combat this hunger crisis, Seeding Mercy International (SMI) has partnered with Sunnova Energy International to give rural communities the tools they need to feed themselves, including minigrid ...

## Green & Renewable Energy Initiatives

The Wani Igga Foundation's integrated approach to hydrogen, solar, and eco-innovation accelerates South Sudan's green growth trajectory, fosters local capacity, and showcases a replicable model for ...



## Setting Up South Sudan's first Solar Microgrid

With support from Creating Hope in Conflict, a Humanitarian Grand

Challenge, EarthSpark helped SunGate take a critical step towards addressing this challenge by launching ...



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## South Sudan Launches First Solar Microgrid in Payinjar County

The success of the Payinjar County solar microgrid is building momentum to expand renewable energy initiatives across South Sudan. The government, along with its international ...



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## South Sudan Rural Electrification Project: Hybrid Mini-grid & PBK

The pilot project is a combination of Mini-grid PV system with Portable Battery Kits (PBKs) as a means of delivering electricity to remote regions.  
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