

## ContainerPower Energy Solutions

# Can solar energy storage cabinets in South Sudan be placed on rooftops



## Overview

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Offices in Juba, South Sudan have had a 50.144kWp solar installation with a 218kwh battery energy storage system commissioned recently. Battery energy storage system in Juba, South Sudan. Image credit: Aptech Africa  
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While the global energy storage market balloons into a \$33 billion industry [1], this East African nation faces unique challenges that make energy storage integration not just important – but survival-critical. South Sudan's energy scene resembles a patchwork quilt: Yet beneath this bleak picture.

While grid-connected solar power is the least-cost renewable energy option for South Tarawa and there is significant resource potential of 554 MW, deployment has been limited. How much power does South Tarawa need?

The photovoltaic systems account for 22% of installed capacity but supply only.

A public-private partnership in South Sudan has launched the country's first major solar power plant and Battery Energy Storage System (BESS) in the capital Juba, where it is expected to provide electricity to thousands of homes. A solar battery is a device that is charged by a connected solar.

A grid-tied 229.9kWp solar energy rooftop system has been designed, supplied, installed and commissioned in Juba, the capital of South Sudan. The system comprises 415 panels of 550Wp with inverters of 100kW. Aptech Africa is delighted to announce the successful installation of 26 MW of solar panels.

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