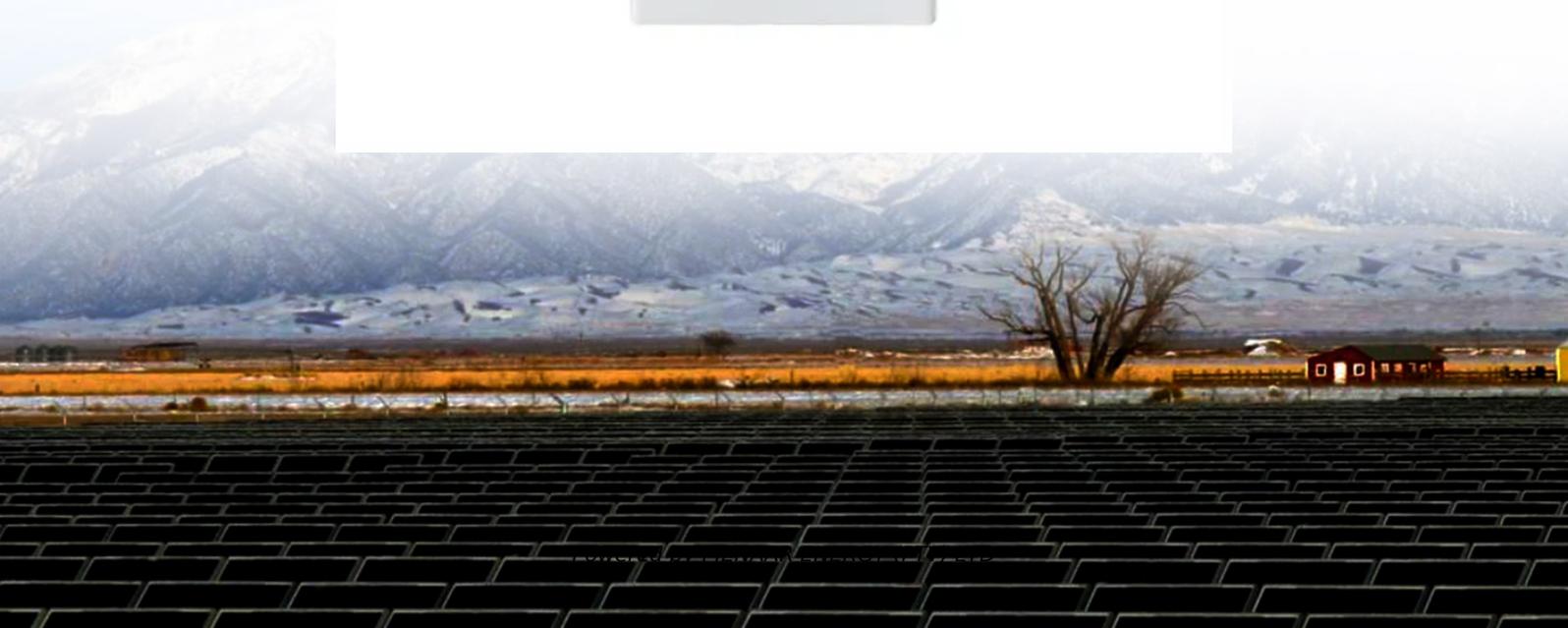


**PIENAAR ENERGY (PTY) LTD**

# **New solar container energy storage system in the Democratic Republic of Congo**



## Overview

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According to CBE, the project will be Africa's first baseload renewable energy power plant and will feature a 222 MWp solar PV system, and a 123 MVA/526 MWh battery energy storage system. Construction of the renewable energy facility is due to start in August 2025. As the Democratic Republic of Congo accelerates its renewable energy adoption, containerized battery storage systems have emerged as a game-changing solution for mining operations, urban electrification projects, and rural microgrids. This article breaks down the critical factors influencing Congo. Summary: The Democratic Republic of Congo (DRC) is emerging as a strategic hub for energy storage container production, combining abundant mineral resources with growing renewable energy demands. The DRC ranks first in Africa in terms of its potential (100,000 MW), which accounts for 13% of the global hydropower potential. Take the Kasai Solar Farm project – their 500kWh.

## New solar container energy storage system in the Democratic Repu

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According to CBE, the project will be Africa's first baseload renewable energy power plant and will feature a 222 MWp solar PV system, and a 123 MVA/526 MWh battery energy storage system.

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**TAX FREE**

**ENERGY STORAGE SYSTEM**

**Product Model**  
HJ-ESS-215A(100KW/215KWh)  
HJ-ESS-115A(50KW 115KWh)

**Dimensions**  
1600\*1280\*2200mm  
1600\*1200\*2000mm

**Rated Battery Capacity**  
215KWH/115KWH

**Battery Cooling Method**  
Air Cooled/Liquid Cooled





## Energy Storage Container Production in the DRC: Powering Africa's

Summary: The Democratic Republic of Congo (DRC) is emerging as a strategic hub for energy storage container production, combining abundant mineral resources with growing renewable energy demands.

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## Congo Republic electrical

## energy storage system

electrical energy so that it can be used later. The approach is not new: EESS in the form of battery-backed uninterruptible power supplies (UPS) have been used for many years.

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