



# 120-foot Off-Grid Solar Container Used in East African Schools

 **TAX FREE**    

**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 SYSTEM**





## Overview

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First School-in-a-Box deployment with 3 age groups (6-12, 12-18, 18+) Expand model based on pilot learnings across West Africa Bringing digital education to underserved children in rural Africa through solar-powered, modular microschoools. Installing decentralised solar photovoltaic systems in African schools can help improve education, boost economic development and decrease CO2 emissions. A student in Uganda using a solar-powered tablet. Solar container projects—portable, pre-fabricated units with batteries, inverters, and. Off-grid solar power has been heralded as the best way to improve access to electricity in sub-Saharan Africa. The sector has attracted significant inflows of capital - but public institutions are in danger of being left behind. The donated. As Africa is set to educate the majority of the world's future workforce, enhancing education by providing electricity to more schools, installing lighting, and offering cooked school meals could be a transformative boost for the global economy and society. A new research paper highlights the. Headquartered in Shanghai with 50,000m<sup>2</sup>+ production bases across Jiangsu, Zhejiang, and Guangzhou, the company employs 1,000+ professionals, including 20+ engineers driving energy storage technology.



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### Stories

A new research paper highlights the transformative potential of solar power in electrifying off-grid schools across Africa. Researchers calculate that a EUR2 billion up-front investment would ...

### [How can Africa's schools and hospitals benefit from the ...](#)

Public institutions are in danger of being left behind by Africa's current boom in off-grid solar. Here's how to make sure the sun shines on them instead.



### Solartainer

The innovative mounting system is designed to maximize land use and achieve the best possible power generation costs. In operation, the container itself houses all electrical components, inverters, battery ...

### Edoyo

Bringing digital education to underserved children in rural Africa through solar-powered, modular microschoools. Join our mission to transform education, one container at a time.



### [AEC Launches Project to Power Schools with Off-Grid Solar](#)

Energy advocacy group the African Energy Chamber (AEC) has successfully launched the first phase of an initiative to equip schools across Africa with solar energy through the donation of an ...

### East Africa Solar Container 120ft

ISO/TUV/CE-certified units deliver rapid-deploy solar power for off-grid, emergency, and mobile applications, reducing emissions by 70% vs diesel. An integrated renewable energy development ...



- ✓ TELECOM CABINET
- ✓ BRAND NEW ORIGINAL
- ✓ HIGH-EFFICIENCY



### [Solar power offers a brighter future for African schools](#)

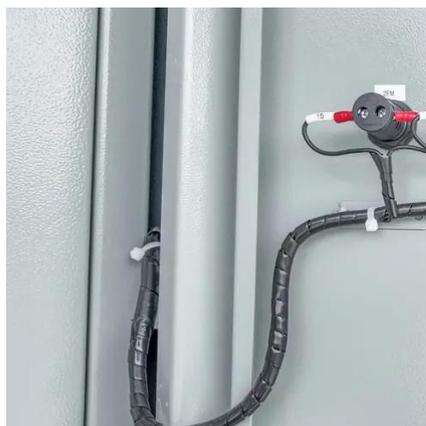
This geospatial database maps over 500,000 schools across Africa, providing detailed insights into capacities and costs required to meet their electricity needs using solar systems.

### Off-Grid Solar Container Project Case



## Studies in Rural Africa

Renewable energy expansion is transforming access to electricity in rural communities, and case studies of off-grid solar container projects in rural Africa reveal some of the most effective ...



## [Solar Energy Storage Lighting Up African Schools](#)

SCU provides solar energy storage systems for African schools to help ensure normal electricity supply in schools and solve electricity costs.

## Containerised Solar Systems for Africa -- Off-Grid Installer

Container units can supply power for boarding schools both in towns and the rural areas. Boarding schools need power for accommodation, lighting and security as well as curriculum lessons during ...





## Contact Us

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