



# Community uses East African solar container 20kW

*LiFePO<sub>4</sub> Battery, safety*

*Wide temperature: -20~55°C*

*Modular design, easy to expand*

*The heating function is optional*

*Intelligent BMS*

*Cycle Life: ≥ 6000*

*Warranty: 10 years*





## Overview

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In a bold move toward energy self-sufficiency, a local community partnered with ANETHIC in early 2025 to pioneer the world's first energy-efficient container home designed with a full standalone off-grid solar power system.

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In Rangoon, Burma, where access to the power grid remains limited and unreliable, ANETHIC delivered an innovative solar container housing project that blends sustainability, affordability, and independence. In a bold move toward energy self-sufficiency, a local community partnered with ANETHIC in.

With our solar container we focus on solar energy, a sustainable and at the same time the most logical energy source in Africa. We have developed two different containerized systems: our mobile Solartainer Amali and our scalable Solartainer Kani. An intelligent mini-grid system distributes.

Off-grid solar systems enhance energy access, reduce pollution, and empower rural households with affordable, reliable, and sustainable electricity solutions. Mini-grids enable community-wide electrification, boosting economic growth, supporting schools and clinics, and reducing reliance on.

Below is a narrative description of how a solar-powered shipping container is revolutionising the face of access to global energy, off-grid energy, grid backup, and clean development for applications ranging from European building sites to African communities and the rest of the globe. Essentially.

A young farmer in Uganda waters tomato crops with help from a solar-powered irrigation pump. Solar energy systems are helping farmers in parts of sub-Saharan Africa increase crop yields and revenue while reducing the use of diesel generators that pollute the air and cause health problems. Photo:.

Community solar projects offer a decentralized approach to energy generation, enabling communities to harness the abundant solar resources available across Africa and provide clean, affordable electricity to residents, businesses, and



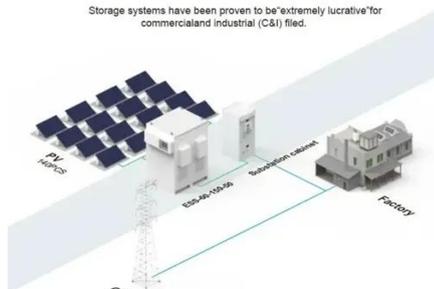
institutions. These projects typically involve the development.



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### BASIC APPLICATION

Storage systems have been proven to be "extremely lucrative" for commercial and industrial (C&I) fields.



### [Powering Rural Africa with Household Solar Solutions](#)

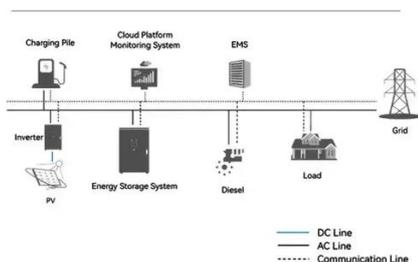
Fortunately, household solar solutions have emerged as a promising solution to address this challenge and provide clean, affordable, and reliable electricity to African homes.

### Solar Containers is a portable energy revolution for all uses

Below is a narrative description of how a solar-powered shipping container is revolutionising the face of access to global energy, off-grid energy, grid backup, and clean ...



### System Topology



### Solar Powered Container Home in Burma: 20kW Off-Grid Energy ...

Just two months later, the project was greenlit: a 20kW off-grid solar power system integrated into a recycled 20-foot shipping container, converted into a self-contained, solar ...

### [Containerised Solar Systems for Africa](#)

Containerised solar can pump water from a well into a tank or irrigation pond. It can charge an electric vehicle - anywhere in Africa. Electric vehicles will need a cheap local source of power.

...



### Solartainer

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### 120 Million Households: Community Solar Could Power East Africa

According to a study by the European Investment Bank and the International Solar Alliance, these systems could provide electricity to 120 million households across Africa.



### [Empowering Communities: Community Solar Projects Bring ...](#)

Let's explore how community solar projects are bringing renewable energy benefits locally in Africa and transforming the energy landscape across the continent.



### [EAST AFRICA ENERGY STORAGE PROJECT POWERING ...](#)



Emerging markets in Africa and Latin America are adopting mobile container solutions for rapid electrification, with typical payback periods of 3-5 years. Major projects now deploy clusters of ...

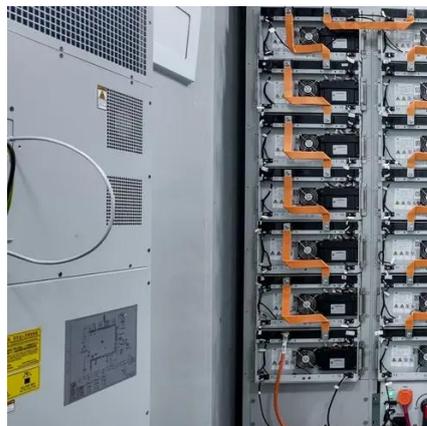


### **Solartainer**

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### [Solar projects transforming rural African communities](#)

Discover how innovative solar projects are revolutionizing rural Africa, providing energy access, boosting economies, and fostering sustainable development.



### **In sub-Saharan Africa, solar power is benefitting people, ...**

Its goals are to create a replicable model that uses solar power to increase access to modern electrical services in rural areas of Tanzania, Uganda and Kenya and to strengthen ...



## Contact Us

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