



LLSE CONTAINERS

# 1MWh Off-Grid Solar Container Order in Sierra Leone





## Overview

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Who is supplying containerized solar power in Sierra Leone?

Photo: Michael Duff – InfraCo PowerGen, through their Sierra Leone project company Off-Grid Power (SL) Ltd\*, has tendered 20 containerized solar systems for implementation in Work Package 2 of the RREP. The German system integrator and EPC Asantys Systems GmbH was selected to supply the containerized solar power assets.

How many energy containers are there in Sierra Leone?

One out of 20 energy containers designed and delivered by Asantys Systems GmbH and installed by the operator partner PowerGen in a village in Sierra Leone. Photo: Michael Duff – InfraCo.

What is the largest off-grid solar energy initiative in Sierra Leone?

This milestone project, implemented by Off-Grid Power \* (funded by PIDG company, InfraCo Africa) aimed to provide first-time electricity to 6,657 households & businesses in Sierra Leone, making it the largest off-grid solar energy initiative in the country.

Does Sierra Leone need off-grid electricity?

As of 2020, Sierra Leone's rural electrification rate stood at a mere 4.8%, making it one of the lowest rates in sub-Saharan Africa. Acknowledging the challenges posed by costly grid expansion, the Government of Sierra Leone (GoSL) has identified off-grid solutions as a viable approach to meet the electricity demands of its rural communities.



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### [CSI Solar Deploys Solar-Storage-Diesel Microgrid in Sierra Leone](#)

Oct 15, 2025 · The microgrid operates entirely off-grid, following a "solar priority, storage regulation, diesel backup" strategy. By integrating solar PV, energy storage, and diesel

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### [AFRICELL LAUNCHES MAJOR SOLAR ENERGY PROJECT IN SIERRA LEONE](#)

The global solar storage container market is experiencing explosive growth, with demand increasing by over 200% in the past two years. Pre-fabricated containerized solutions now ...



### [250605 Sierra Leone launches solar mini-grid energy ...](#)

Jun 6, 2025 · The ETGGP aims to achieve universal energy access in Sierra Leone by 2040, powered by clean energy sources, requiring an estimated 132 MW in mini-grids and a total ...

### [Sierra Leone's President Julius Maada Bio To Launch 830 ...](#)

Jun 6, 2025 · State House, Freetown, Thursday, 5 June 2025 - In a landmark step toward sustainable development and inclusive energy access, His Excellency President Dr. Julius ...



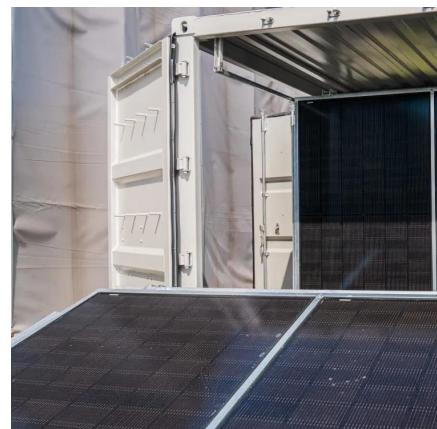
## **Asantys Systems offers containerized solar-storage solutions in Sierra**

Jan 2, 2024 · Asantys Systems has developed containerized solar-storage solutions in Sierra Leone, featuring solar containers with capacities ranging from 30 kW to 130 kW.



## [Cost of containerized solar energy storage in Sierra Leone](#)

Nov 24, 2025 · Photo: Michael Duff - InfraCo PowerGen, through their Sierra Leone project company Off-Grid Power (SL) Ltd\*, has Asantys Systems offers containerized solar Jan 2, ...



## [1.3 MWp Solar off-grid mini grids supply 6,657 households ...](#)

Jul 7, 2021 · As a result, Germany-based solar system integrator and EPC provider Asantys Systems and its long-time partner HOPPECKE Batterien were contracted by Kenya-based ...



## [23031\\_Joint Press release on Moyamba Commissioning](#)

May 17, 2025 · Moyamba, Sierra Leone - May 17, 2025 - The Government of Sierra Leone, through the Ministry of Energy and with financing from the World Bank, is commissioning a 1 ...



## [Empowering Rural Communities: Solar Mini-grids Illuminate Sierra Leone](#)

One out of 20 energy containers designed and delivered by Asantys Systems GmbH and installed by the operator partner PowerGen in a village in Sierra Leone. Photo: Michael Duff - InfraCo ...

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