

SolarTech Power Solutions

Sierra Leone grid-connected inverter



Overview

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 power Leone have a solar mini-grid?

Power Leone continues to supply modern energy reliably in all three locations. “ The use of Results Based Financing for the roll-out of solar mini-grids is an important step for Sierra Leone. As the RBF mechanism is scalable, it has the potential to lead to a palpable acceleration in rural electrification.

How many solar mini-grids are there in Sierra Leone?

There are over 100 solar mini-grids in operation in Sierra Leone under Private sector portfolios. Based on experience and with support from SEforALL, SLWERC has developed an improved Multi Year Tariff Order, (MYTO2), which provides further improved transparency, clarity and equity.

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.

Can mini-grids expand access to rural populations in Sierra Leone?

Under the Sierra Leone Renewable Energy Policy, adopted in 2016, the Government envisioned a clear role for mini-grids in expanding access to rural populations and began taking steps to facilitate their expansion.

Who is implementing a multi-partner project in Sierra Leone?

Under this multi-partner scheme, the United Nations Office for Project Services, (UNOPS) and Sustainable Energy for ALL (SEforALL) are implementing partners while the initiative will be funded by the EU under the EUR 50 million Transformational Energy Access for Sierra Leone financing agreement with the Government of Sierra Leone.

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