

# SOLAR SYSTEM ON CREDIT IN SIERRA LEONE



When did easy solar start in Sierra Leone? Easy Solar started operating in 2016 in Sierra Leone. They initially performed a customer survey of 2,000 households in January 2016, followed by a 200 customer pilot in March of the same year and the team moved full-time to Freetown in August 2016. In the first two years, its customer base grew from 200 to over 100,000 between 2016 and 2019.



What is the solar potential in Sierra Leone? The solar potential in Sierra Leone is as high as 2200 kWh/m<sup>2</sup> according to a more optimistic study by the Joint Research Centre (JRS) of the European Commission.



Does Sierra Leone have electricity? Access to energy in Sierra Leone is among the lowest in Africa and the world. The limited electricity that is available is expensive, with electricity tariffs twice as high as the continent's average. A majority of the population does not have access to the national grid and is not likely to gain access in the near term.



Which mobile payment system is most popular in Sierra Leone? Airtel money is currently the most prominent mobile money payment system, with the widest outreach in Sierra Leone. With 3,584 agents in office and mobile to service an active customer base of 372,419 customers making over 7,500 transactions daily and up to 1.8 million transactions monthly.

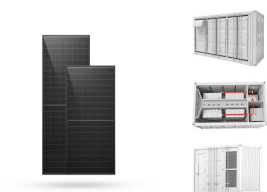


What is the business case for fostering strategic partnerships in Sierra Leone? What is the business case in Sierra Leone for fostering strategic partnerships between telecommunication companies/mobile money operators and solar distributors? Delineate pilot opportunities that serve the larger solar community with guidance on PAYG integration and application.

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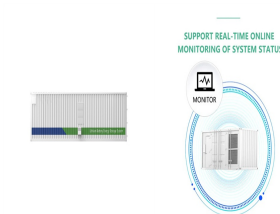
How has PAYG accelerated solar home use and ownership? Since its inception, PAYG has accelerated solar home system use and ownership for hundreds of thousands of off-grid households and small businesses. In contexts where PAYG has seen rapid uptake, such as in East Africa, the following factors have been essential to success: Ease and incentive for solar and telco money platform integration.



Sierra Leone is endowed with potential diverse energy sources, e.g., solar, wind and hydro, but still has one of the lowest electricity access rates in the world. According to Sustainable Energy for ALL (SEforALL)2021, the national ???



Sellers Solar System Installers Software. Product Directory (90,700) Solar Panels Solar Inverters Mounting Systems Charge Controllers Installation Accessories. Battery Storage Systems Solar Cells Encapsulants Sierra Leone Last Update 25 Oct 2024



Easy Solar is an innovative distributed energy service company transforming the way off-grid communities live, work and play by providing consumer financing for solar-powered lighting and appliances to households and entrepreneurs. Enabled by pay-as-you-go technology and mobile money, deep community. Sierra Leone Investment & Export



The containerized solar systems were delivered in two shipments in February and April 2020. A technical installation training was conducted in Freetown, Sierra Leone by Asantys Systems GmbH, SMA Sunbelt Energy and HOPPECKE Batterien shortly before the outbreak of COVID-19 in February 2020.

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SAS Stand-Alone Solar SHS Solar Home Systems SL Sierra Leone  
SLAMFI Sierra Leone Association of Microfinance Institutions SME Small  
and Medium Enterprise SMT Salone Micro-finance Trust TA Technical  
Assistance UNOPS United Nations Office for Project Services Photo  
credit. H6 Partners. 2 Investment market ap



Lopi Power Ltd is a dynamic solar company headquartered in Sierra  
Leone, driving the transition to clean energy not only within Sierra Leone  
but also expanding our operations to serve international markets.  
Maximize the efficiency and reliability of your solar power system with our  
top-of-the-line inverters and controllers. Our advanced



Easy Solar is securing a \$5 million local currency secured credit facility  
from the Energy Inclusion Facility's Off-Grid Energy Access Fund (EIF  
OGEF). The funding will allow ???



1 Snapshot : Solar ??? nancing The Government of Sierra Leone (GoSL)  
has taken a keen interest in the performance, availability and access to  
energy throughout Sierra Leone as a post-Ebola recovery pillar. The GoSL  
is targeting increased large scale energy generation, improved distribution  
and improved performance of the solar home system (SHS)



In addition to helping customers build a line of credit, Easy Solar's  
payment system also helps West Africans buy higher-quality products that  
ultimately save them money. Mosia says that people in Liberia and Sierra  
Leone have long relied on cheap, battery-operated flashlights and  
chargers, because the upfront cost of anything more durable is

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Solar System Installation. Solar panel installation is becoming increasingly popular as people look for more sustainable and renewable sources of energy. Tati Solar is a Sierra Leone based, innovative and independent provider of ???



In Sierra Leone, Afrimoney and Easy Solar are changing this thanks to a digitised payment system that makes it easier to buy solar panels and benefit from solar power. Through the ???



Turbo Solar Consulting is one of leading solar installation, maintenance and repair service provider in Sierra Leone. We provide years of experience when it comes to the installation of mega solar projects for homes and offices. Our team is experienced in delivering commercial and utility scale solar projects that meet industry requirements and standards.



4 ? Ecobank Sierra Leone and Multi-Tech Services has on last Friday 13th December, 2024, officially launched a partnership to provide affordable solar energy solutions under the ???



Solar System Installation. Solar panel installation is becoming increasingly popular as people look for more sustainable and renewable sources of energy. Tati Solar is a Sierra Leone based, innovative and independent provider of high-quality solar panel products from around the world. We specialize in the import and distribution of top-of

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ECA - Gap analysis of legal & regulatory framework for solar IPPs iii  
Executive Summary This report is prepared at the request of the Government of Sierra Leone as part of the World-Bank-funded project on Unlocking the Potential for Grid-Connected Solar Power through Private Sector Investment Sierra Leone. This report provides the gap analysis



3. Dodo Mini-Hydro Dam, a 6 MW run-of-river plant in the Dodo region, Eastern Sierra Leone 4. Yele/Makali Dam, a 250 kW dam located in the north of Sierra Leone. Solar energy In February 2017, Sierra Leone was the first African country to sign the "Energy Africa Policy Compact" with the UK Government.



The Solution ??? Solar Microgrids Powering Hospitals & Clinics Across Sierra Leone. In early 2023, SEforALL, working closely with the Ministry of Health and Sanitation (MoHS) in Sierra Leone, introduced the Sierra Leone Hospital Electrification Project.. The initiative highlighted the integration of renewable and dependable energy solutions in hospitals to ???



Easy Solar is securing a \$5 million local currency secured credit facility from the Energy Inclusion Facility's Off-Grid Energy Access Fund (EIF OGEF). The funding will allow the company to continue electrifying rural areas via solar home systems. Good news for Easy Solar. The company based in the Sierra Leonean capital Freetown is getting a \$5 million line of ???



Sierra Leone is endowed with potential diverse energy sources, e.g., solar, wind and hydro, but still has one of the lowest electricity access rates in the world. According to Sustainable Energy for ALL (SEforALL)2021, the national electrification rate is approximately 26 percent with approximately 6 percent accounting for access in rural areas.

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The National Cooperative Credit Union Association - Sierra Leone. 23 Pultney Street, Freetown, Sierra Leone +232 72 227108 +232 30 470913 info@naccuasl . Registered by the Department of Cooperatives, Ministry of Trade and Industry Registration Number: 001



3 ? The Government of Sierra Leone has adopted a Results Based Financing (RBF) mechanism for solar mini-grids with ???20 million financing from the European Union (EU). The ???



Image credit: 6okean (C)123rf . Three Development Finance Institutions and a renewable fund manager have announced a co-investment of more than \$52 million for Planet Solar, a greenfield 50MW solar power project in Sierra ???



STAND ALONE SOLAR MARKET UPDATE - SIERRA LEONE | vi Figure 1: Sierra Leone at a Glance i. International Energy Agency (2019) ii. World Bank (2018) iii. World Bank (2019) iv. ESMAP (2019) v. Lighting Global (2019) vi. World Bank (2020) 5.8m Unelectrified Populationi 69 out of 100 2 7.8m 105 Total Populationii Framework for Stand-alone Systems Score



In 2020, Sierra Leone had a rural electrification rate of just 4.8%, one of the lowest in sub-Saharan Africa. The Government of Sierra Leone's (GoSL) National Renewable Energy Action Plan recognises the potential of off-grid solutions to address the electricity needs of the country's rural population where the economies of grid deployment are prohibitive.



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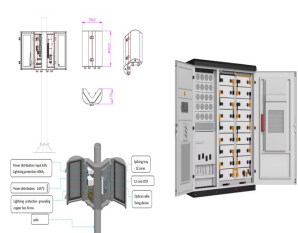
Representational image. Credit: Canva. and commissioning a 51.2kWp ground-mounted solar system in Sierra Leone. The comprehensive system included 400Wp Soleil Power Panels and a 102.6kWh battery bank with 5.7kWh Alpha ESS Li-ion battery storage. Additionally, a monitoring system was integrated to oversee the system's performance and



production on a plot of land in Fonima village, Northern Sierra Leone. The hybrid energy system comprises a 400 W solar PV system, 600 W wind turbine, a shared inverter, a shared charge controller and a shared battery bank. The wind turbine was fabricated using locally available materials and integrated with the solar PV system. The designed



Sierra Leone, the solar-powered Yagoi cold storage facility has revolutionized the local fishing value chain. Powered by a 93kva solar system, the facility can store up to 10 tons of fish, preserving them for weeks. "Now we can fish with confidence," Kumba says, smiling. "We know our catch will be



4 ? 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 ???



The 5 MW Solar Power plant is the first phase of a 25MW solar PV power project in Yamandu, near Bo town in Sierra Leone. The project will add approximately 15% to Sierra Leone's total electricity generation capacity, providing a significant contribution to the need for more electricity in the country.

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Contract title: Design, Supply, Installation & Commissioning of Solar Parks with Battery Storage Systems (BESS) for Liberia, Sierra Leone and Chad, respectively. Countries: Republic of Liberia, Republic of Sierra Leone, and Republic of Chad. Project No.: P179267. Credit No.: IDA-72640 (Liberia), IDA-E1510 (Sierra Leone), IDA-E1520 (Chad)



Whilst these plants have contributed to the energy mix of Sierra Leone, only the 6 MW Solar Park Freetown, 10 MW Planet Solar at Makoth, and the 32 MW Sunbird Bioenergy plant have been supplying power to the capital city, Freetown although that supply of power is sometimes intermittent.