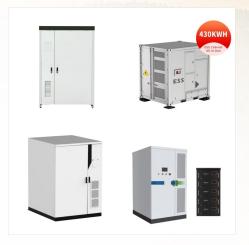


As a result, Germany-based solar system integrator and EPC provider Asantys Systems and its long-time partner HOPPECKE Batterien were contracted by Kenya-based PowerGen Renewable Energy and its InfraCo Africa-funded project company Off-Grid Power (SL) Ltd in Sierra Leone to supply 20 containerized solar systems.



Solar energy provider PowerGen Renewable
Energy is commissioning mini-grids in four
communities in Sierra Leone. With a total capacity
of 150 kWp, the solar systems were installed in
partnership with ???



Through the RREP, PowerGen has developed off-grid power solutions in two of Sierra Leone's four geographic regions under a 20-year public-private partnership with the GoSL. InfraCo Africa worked with PowerGen, to develop this ground-breaking project which also secured US\$110,825 of grant funding from PIDG Technical Assistance.





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Inverters play a crucial role in converting direct current (DC) into alternating current (AC), making it easier to integrate renewable energy sources such as solar and wind power into the grid. In sun-drenched regions of Sierra Leone, solar inverters have become a common solution, providing affordable and reliable electricity to remote areas.



The system is hybrid integrated with the existing power sources i.e., the grid and diesel generator. Each system has an 8KVA Victron Quatro inverter that has a remote monitoring system and collects information that includes total energy being generated, battery voltage, load power, grid power in case it is connected as well as fault detection





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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.



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Swansea University, in collaboration with MOPO Sheffield and LIDAR-R Liberia, conducted extensive research in Sierra Leone and Liberia to test the effectiveness of the MOPOMax micro inverter and 1000 Wh battery system in providing reliable and sustainable electricity to off-grid communities and those effected by intermittent electricity supply.



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From state-of-the-art solar panels to cutting-edge battery materials and advanced inverters, our product lineup is designed to empower you with sustainable energy solutions. Whether you're looking to harness solar power for your home or business, our products are engineered for performance, reliability, and longevity.



Sierra Leone's electrical grid, which operates on 230 Vac 50 Hz, will frequently go down and leave residents of the area with no power whatsoever. AIMS Power provides products to help residents of Sierra Leone achieve energy independence, and we'll deliver them right to your doorstep for the cheapest price possible.