

Does Sierra Leone have a solar energy resource?

Ministry of Finance The Government of Sierra Leone (GoSL) recognises that the country is endowed with a significant solar energy resource. This potential however remains largely untapped.

Why is solar power costly in Sierra Leone?

Solar power is delivered at a very high cost in Sierra Leone, despite the country having an estimated hydro project potential of more than 1000MW and abundant sunlight for solar power generation, with opportunities above 240 MW.

Where is the 50MW Planet Solar PV project located in Sierra Leone?

The 50MW Planet Solar PV project is split in four different locations in Sierra Leone, consisting of a 12MW power plant under construction in BO/Kenema, a 4.05 MW (DC) power plant to be constructed in Port Loko, a 25MW power plant under construction in Makoth and a 10MW power plant under construction in Kono.

Who regulates the energy sector in Sierra Leone?

The primary law regulating energy sector in Sierra Leone is the National Electricity Act 2011 ("Electricity Act"). This Act incorporates EGTC and establishes EDSA, both of which started operations in 2015. It also sets the legal provisions under which those entities are governed, managed, functioning and are funded.

What will GOSL do for Sierra Leone?

GOSL will remove barriers hampering the effective development, implementation and dissemination of renewable energy technologies. Also, the draft Energy Policy estimates that Solar PV generation capacity in Sierra Leone is expected to start at 31 MW in 2020 and increase to 156 MW by 2023.

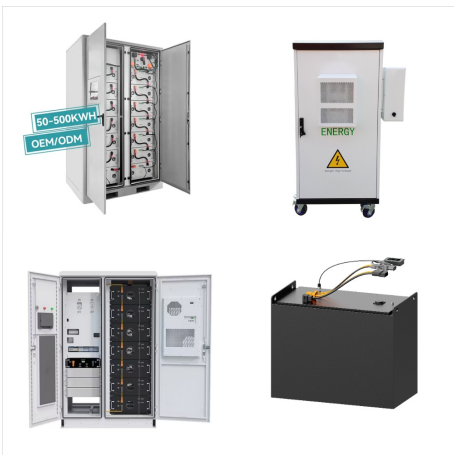
How much power does Sierra Leone need?

Sierra Leone aims to increase its installed capacity to 350MW by 2023. Currently, the country has an installed capacity of 100MW and plans to fully utilize its potential to exploit the 1,240 megawatts capability for local consumption and export in the sub-region.

# SIERRA LEONE SOLAR INDUSTRY IN



The Renewable Energy Association of Sierra Leone (REASL) is a trade association that is focused on the development of an efficient and thriving renewable energy market in Sierra Leone. REASL was formed in 2016 as a ???



The global renewable energy market capacity witnessed a 45% growth in 2020, led by a massive 90% growth in wind capacity and 23% growth in solar. 1 Renewable energy is expected to account for 90% of total global power capacity increases in both 2021 and 2022. 1



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Sierra Leone: Many of us want an overview of how much energy our country consumes, where it comes from, and if we're making progress on decarbonizing our energy mix. This page provides the data for your chosen country across all of the key metrics on this topic.



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 Leone. Planet Solar ???



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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 Leone. Planet Solar will be the first large-scale grid-connected solar Independent Power Producer (IPP) project, driving a diversified approach to



Sierra Leone offers investment opportunities in several segments of the energy industry including wind energy, solar energy, hydro, and bioenergy. The Government of Sierra Leone is also seeking infrastructure investment to support expansion of energy distribution and transmission networks.



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Solar 21 8 Wind 0 0 Bioenergy 10 4 Geothermal 0 0  
Total 270 100 1 2020 2 2010 3 4 5 Avoided  
emissions based on fossil fuel mix used for power  
Calculated by dividing power sector emissions by  
elec. + heat gen. Sustainable Energy For All  
Universal Energy Facility Sierra Leone Mines and  
Minerals Development Act 2022 ENERGY AND  
EMISSIONS



Description: The COVID-19 pandemic has impacted the daily life of Sierra Leoneans in many ways. Businesses, airports, borders and schools were shut down as stay-at-home orders were issued in efforts to stop the spread of the virus.