

Solar panels in Sierra Leone





Overview

What type of energy is used in Sierra Leone?

Energy consumption in Sierra Leone is dominated by biomass, which accounts for over 80% of energy used. The largest source of biomass energy is wood fuel followed by charcoal, while the use of agricultural crop residues and bagasse in the sugar industry remains limited.

Does Sierra Leone have a low energy access rate?

Sierra Leone currently has one of the lowest energy access rates globally, with only 36% of its population connected to the grid and a mere 6% in rural areas. The SOGREIA Initiative supports the government's aim to increase the share of renewable energy in the country's energy mix to 35% by 2030. "By 2027, Sierra Leone will be fully illuminated.

How many solar street lights are installed in Sierra Leone?

Installation of Solar Street Lights: The Ministry of Energy Sierra Leone has installed 8471 solar street lights in the fourteen district headquarter towns across the country. The facilities were handed over to the various district councils, city councils and local councils in 2017.

Will Sierra Leone be fully illuminated by 2027?

The SOGREIA Initiative supports the government's aim to increase the share of renewable energy in the country's energy mix to 35% by 2030. "By 2027, Sierra Leone will be fully illuminated. This isn't just about light; it's about igniting green industrialisation and fulfilling the National Development Plan as a Government.



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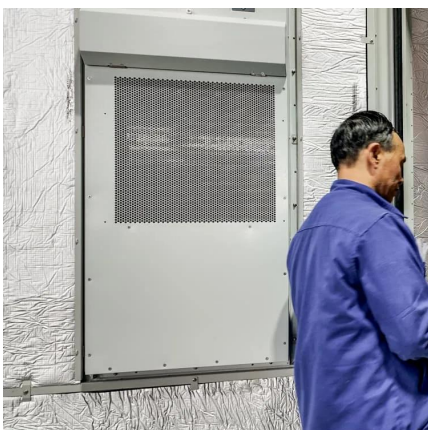


[Sierra Leone PV & Renewable Energy Report by PVknowhow](#)

Sierra Leone solar report highlights PV potential, solar irradiation, grid gaps, and opportunities for renewable energy investments in 2025.

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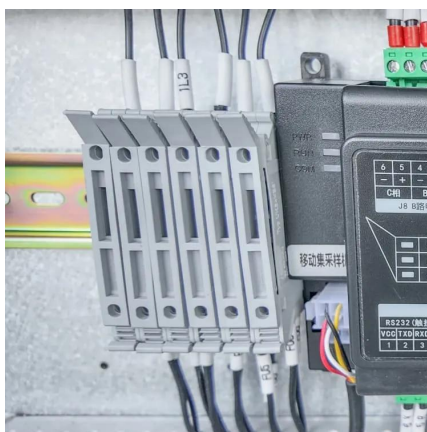
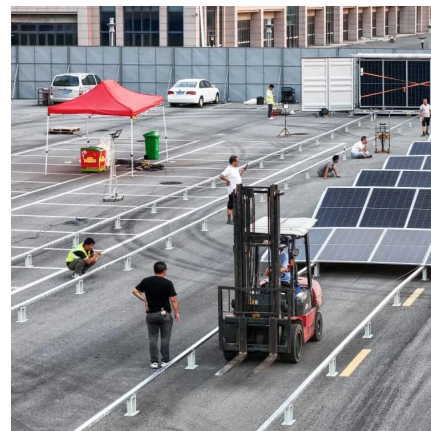
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