

SolarInnovate Energy Solutions

Small Solar Power Systems in Guyana



✓ IP65/IP55 OUTDOOR CABINET

✓ OUTDOOR CABINET WITH
AIR CONDITIONER

✓ OUTDOOR ENERGY STORAGE
CABINET

✓ 19 INCH



Overview

The Guyana Utility-Scale Solar Photovoltaic Program (GUYSOL) is part of a broader initiative aimed at diversifying Guyana's energy matrix towards the use of climate-resilient renewable energy (RE) sources in the electricity generation matrix. How is solar energy used in Guyana?

In Guyana, solar energy is used for several purposes, including drying agricultural produce, irrigation, ICT, and to improve electricity access in rural areas. Under the Hinterland Electrification Programme, in excess of 19,000 solar PV systems had been installed in nearly 200 communities by 2018.

How many solar PV farms will Guyana have?

The main electric utility, Guyana Power and Light Inc. (GPL) is preparing plans for 3 utility scale solar PV farms totaling 30 MW for the national grid in the long term, as well as 0.75 MW Solar PV Farm at Wakenaam and a 4 MW Solar PV Farm at Onverwagt in the near future.

How many solar panels will be installed in Guyana in 2019?

In addition, 1.184 MW of solar PV systems will be installed at 80 public buildings in all 10 Administrative Regions of Guyana in 2019. These installations will result in estimated savings of G\$114 million and avoiding 1,415 tons of CO₂ emissions per year.

Is Guyana a good place to install solar PV?

As a result, most locations across Guyana have excellent solar insolation levels and are ideal for solar PV generation. As at 2018, the total installed capacity for Solar PV in Guyana is 4.63 MW with an estimated annual generation of 7.16 GWh.

What is Guyana's main source of energy?

Guyana is currently dependent on imported petroleum-based fuels as its main source of energy.

Where is solar energy being installed?

Solar energy is primarily being installed in the hinterland/remote areas of the country. Currently under the Unserved Areas Electrification Programme, a number of communities have received solar photovoltaic's home systems. In 2007, a number of Regions benefitted from solar photovoltaic projects, some of which are listed below:

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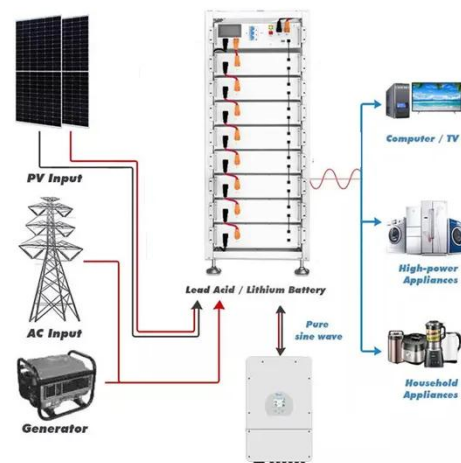


Solar panel distribution drives change in hinterland, riverine

Feb 26, 2025 · "Off-Grid Solar home systems are a low-cost, resilient, and climate-friendly method of quickly delivering high-quality energy service to Hinterland and Riverine communities," he ...

GUYANA Utility Scale Solar Photovoltaic Program (GUYSOL)

Sep 28, 2023 · Guyana, as a conditional contribution in their NDC, committed to eliminating its near complete dependence on fossil fuels. It outlined its goal to "develop a mix of wind, solar, ...



Guyana to pump \$791.4M into key renewable energy initiatives

Feb 21, 2025 · It follows a \$7.9 billion investment in renewable energy initiatives from 2020 to 2024, which included solar farms, hydro projects, and the distribution of over 30,000 solar PV ...

Guyana solar investment: 21 Villages to Receive GYD 885M in Solar Power

Jun 8, 2025 · Guyana is making significant strides in advancing its renewable energy sector, with an investment of GYD 885 million in solar energy projects across 21 villages. This ambitious ...



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