



Red pay solar Guyana

How much solar energy is available in Guyana?

As of 2018, the total installed capacity for Solar PV in Guyana is 4.63 MW, with an estimated annual generation of 7.16 GWh. Solar energy is used for several purposes in Guyana, including drying agricultural produce, irrigation, ICT, and to improve electricity access in rural areas.

Is Guyana a good place to install solar PV?

Most locations across Guyana have excellent solar insolation levels and are ideal for solar PV generation. As of 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 the main source of energy in Guyana?

Currently, imported petroleum-based fuels are the main source of energy in Guyana.

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The Government of Guyana has designated eight solar farms along Guyana's coast, with project summaries submitted to the Environmental Protection Agency (EPA) outlining an anticipated generation capacity of 33MWp.

The solar farms are expected to produce 35 megawatts of solar power with the first 18 megawatts to become available by January 2026. The Government through Guyana Power and Light Inc. (GPL) has already acquired the land in the respective regions.

Green Power Solutions Inc, a renewable energy company owned and operated by the Nand Persaud Group, is aiming to empower Guyanese to generate additional income through investments in solar technology.

Guyana's solar capabilities are set to receive a significant boost with the signing of a US \$38 million contract between the Guyana Utility-Scale Solar Photovoltaic (GUYSOL) and a Chinese company known as SUMEC



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to construct solar farms in Regions Two, Five and Six.

The importance of solar farms in Guyana cannot be overstated. As a nation gifted with hundreds of thousands of square kilometres of land and an average daily insolation that far exceeds the global average, Guyana possesses a ...

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