



# Barbados solar panels rates in today

Does Barbados use solar panels?

Solar panels are seen more and more frequently across Barbados. Similar to the ubiquitous solar water heater on Barbadian rooftops, the Government of Barbados is fully committed to the idea of renewable energy and solar PV, thereby preparing the country for even more substantial growth in this sector.

Should you buy a solar PV system in Barbados?

One of the biggest, if not the biggest hurdle to further solar PV penetration in Barbados is the upfront cost of a system. When you think about the fact that the cost is essentially the prepayment of 25-30 years worth of electricity it makes sense that the price is "high". If you could purchase a ... Continue reading ->

What is the installed solar PV capacity in Barbados?

The total installed solar PV capacity in Barbados is about 22MW(12MW RER +10MW utility).

Is Barbados a leader in solar energy?

Barbados continues to maintain a leadership position in solar energy within the Caribbean. Building on a successful Renewable Energy Rider program which has seen 9MW of distributed solar PV installed, the electricity market has finally opened up to independent power producers (IPPs) to develop utility scale solar projects.

Are Barbadians aware of solar energy usage & benefits?

Barbadians are aware of solar energy usage and benefits. Over the past few years, solar electricity systems have decreased dramatically in cost and more systems have been installed. As a result, the awareness level of Barbadians regarding solar energy has increased. In 2001, the installed capacity of solar PV in Barbados was 37 kW. Below is a list of the largest of these systems at that time:

What is the cost of electricity in Barbados?

Barbados' electricity costs approximately \$0.28 per kilowatt-hour (kWh). This is lower than the Caribbean regional average of \$0.33/kWh, as shown in the Energy Snapshot Barbados.

The new FIT rate for solar systems up to 10 kilowatts (kW) is 42.75 cents/kWh; solar systems above 10kW to 100kW is 44.75 cents; solar systems above 100kW to 250kW is 41.75 cents; solar systems above 250kW to 500kW 38.25 cents; while solar systems over 500kW to 1 megawatt is 36.25 cents.

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A total of 75 MW has been allocated by the Ministry of Energy to this component of the FIT programme and



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has been subdivided among the PV and wind technologies. The FTC explained that the FIT rate for solar PV systems of 1MW and up to 5MW will be 23.25 cents/kWh, and has a total capacity of 30 MW.

Below is the average daily output per kW of Solar PV installed for each season, along with the ideal solar panel tilt angles calculated for various locations in Barbados. Click on any location for more detailed information.

Most householders who provide power to the national grid from renewable energy sources up to one megawatts (MW) will now earn less per kilowatt hour (kWh) under the revised Feed-in-Tariff (FIT) rate, according to the latest Fair Trading Commission (FTC) decision.

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The FITs for solar PV and land-based wind systems sized up to and including 1MW by bands specified are set out in the table in the Decision. The FIT for solar PV and land-based wind systems size above 1MW and up to 5 MW shall be BDS 26.75¢; and BDS 26.25¢, respectively.



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