Photovoltaic Solar Energy

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Definition of Photovoltaic

Photovoltaic solar energy is a clean, renewable source of energy that uses solar radiation to produce electricity.

Benefits and Drawbacks

Benefits

- Solar energy is supplied by nature
- Solar energy can be used almost everywhere where there is sunlight
- Photovoltaic panels though photoelectric

Drawbacks

- Solar panels efficiency levels are relatively low (between 14% - 25%)
- Unpredictably, solar energy makes solar energy panels less reliable a solution.
- For a continuous supply of electric power to photovoltaic panels require not only inverters but also storage batteries.

How is this Energy Source Being Used in Canada?

In Canada, the use of solar energy to generate electricity and heat is growing quickly and is helping reduce pollution related to energy production.

What Role Could Photovoltaic Solar Energy Have in the Future?

In the future, technology improvements will ensure that solar becomes even cheaper. It could well be me that by 2030, solar will have become the most important source of energy for electricity production in a large part of the world. This will also have a positive impact on the environment and climate change.

Sources for People Who Would Like to Learn More About Photovoltaic Solar Energy

Here are two websites for people who would like to learn more about Photovoltaic solar energy:

- https://www.iberdrola.com/environment/what-is-photovoltaic-energy
- https://theconversation.com/explainer-what-is-photovoltaic-solar-energy-12924