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Ingles I

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What is 'Solar Panel'

Definition: Solar panels are those devices which are used to absorb the sun's rays and convert them into electricity or heat.

Description: A solar panel is actually a collection of solar (or photovoltaic) cells, which can be used to generate electricity through photovoltaic effect. These cells are arranged in a grid-like pattern on the surface of solar panels.

Thus, it may also be described as a set of photovoltaic modules, mounted on a structure supporting it. A photovoltaic (PV) module is a packaged and connected assembly of 6×10 solar cells.

When it comes to wear-and-tear, these panels are very hardy. Solar panels wear out extremely slow. In a year, their effectiveness decreases only about one to two per cent (at times, even lesser).

Most solar panels are made up using crystalline silicon solar cells.

Installation of solar panels in homes helps in combating the harmful emissions of greenhouse gases and thus helps reduce global warming. Solar panels do not lead to any form of pollution and are clean. They also decrease our reliance on fossil fuels (which are limited) and traditional power sources.

These days, solar panels are used in wide-ranging electronic equipments like calculators, which work as long as sunlight is available.

However, the only major drawback of solar panels is that they are quite costly. Also, solar panels are installed outdoors as they need sunlight to get charged.

GLOSARIO

- Sun's rays : Rayos solares.
- Photovoltaic cell : Celdas Fotovoltaicas.
- wear-and-tear: Desgaste.
- Hardy: Resistentes.
- crystalline silicon: Silicio cristalino.
- greenhouse gases : Gases de efecto invernadero.
- Global warming : Calentamiento global.
- Pollution : Contaminación.
- Power sources : Fuentes de poder.
- Sunlight: Luz Solar.
- fossil fuels : Combustibles fósiles.

PowerPoint

Se optó por un powerpoint, el mismo se puede ver adjunto en la entrega.

Elemento de paratextos

What is 'Solar Panel'

Business News > Definitions > Space Technology > Solar Panel

English Edition • | 25 October, 2023, 06:27 PM IST | Today's Paper

Titulo.

Cintillo.

Fecha y día de edición.

El texto es de divulgación científica y artículo periodístico, lo podemos clasificar de esta manera debido a que tiene como objetivo transmitir el conocimiento científico a un público general, de forma comprensible y accesible, sin entrar en detalles técnicos profundos que requieran una formación especializada para ser entendidos.

SINTESIS

Los paneles solares son dispositivos formados por módulos de celdas fotovoltaicas que absorben los rayos solares y los transforman en electricidad. Estos dispositivos contribuyen con el medio ambiente, ya que no contaminan y ayudan a reducir el

calentamiento global. Otra ventaja de los paneles solares es que reduce la dependencia de combustible fósiles, los cuales son limitados.

REFERENCIAS

1. Solar panels:

- "What is 'Solar Panel'"
- "Solar panels are those devices which are used to absorb the sun's rays and convert them into electricity or heat."
- "A solar panel is actually a collection of solar (or photovoltaic) cells, which can be used to generate electricity through photovoltaic effect."
- "Thus, it may also be described as a set of photovoltaic modules, mounted on a structure supporting it."
- "When it comes to wear-and-tear, these panels are very hardy. Solar panels wear out extremely slow."
- "Most solar panels are made up using crystalline silicon solar cells."
- "Installation of solar panels in homes helps in combating the harmful emissions of greenhouse gases and thus helps reduce global warming."

Referencia: Estas oraciones hacen referencia a los **paneles solares**.
Describen su definición, estructura, función, beneficios y características.

2. Photovoltaic (PV) module:

- "A photovoltaic (PV) module is a packaged and connected assembly of 6x10 solar cells."

Referencia: Esta oración hace referencia a un **módulo fotovoltaico (PV)**.
Describe lo que es y cómo está estructurado.