

Photovoltaic cells sentence examples





Overview

What is a photovoltaic cell?

Photovoltaic cells:- photovoltaic means that convert solar light energy to electrical energy; these photovoltaic cells are using solar panels and solar robots. It has a maximum open-circuit voltage (0.5 to 0.6). This cell acts as a voltage source and combines capacitor and transistor; it works as a sensor.

What are some examples of solar photovoltaic cells?

Some of the well-known examples of the use of solar photovoltaic cells are solar-powered clocks and calculators. Several photovoltaic cells are required to provide sufficient power to households. However, for large-scale industrial applications, hundreds of photovoltaic arrays would be needed to form a large photovoltaic system.

What is a photovoltaic battery?

A photovoltaic battery converts solar light into usable energy. By 1958, Hoffman Electronics had produced photovoltaic cells that were 9 percent efficient. In the following year, these cells were used to power Vanguard I, the first satellite to use PV technology for power.

What are the characteristics of photovoltaic cells?

Characterization of photovoltaic cells: open-circuit photovoltage, short-circuit photocurrent, fill factor, photoconversion efficiency, charge recombination, and charge trapping and detrapping are discussed. Photovoltaic cells manufacturing, systems, reliability, life-cycle analysis, and risk analysis.

What is the photovoltaic process?

The photovoltaic process bears certain similarities to photosynthesis, the process by which the energy in light is converted into chemical energy in plants. Since solar cells obviously cannot produce electric power in the dark, part of the energy they develop under light is stored, in many applications, for



use when light is not available.

How does a photovoltaic light work?

Photovoltaic panels convert the sun's energy into electricity using photovoltaic cells. These panels are filled with photovoltaic cells that transform solar energy into electricity. Solar lights use this electricity to charge a battery that is part of the light fixture.



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Examples of 'PHOTOVOLTAIC CELL' in a sentence , Collins Inglés Sentences



PHOTOVOLTAIC CELL sentences , Collins Inglés Sentences Acceda a todo el sitio, incluida la Gramática Easy Learning y nuestros juegos de vocabulario. Personalice la configuración del idioma. (Los usuarios no registrados solo pueden acceder a la interfaz en

How do solar cells work?

In theory, a huge amount. Let's forget solar cells for the moment and just consider pure sunlight. Up to 1000 watts of raw solar power hits each square meter of Earth pointing directly at the Sun (that's the theoretical power of direct midday sunlight on a cloudless day--with the solar rays firing perpendicular to Earth's surface and giving maximum ...



PHOTOVOLTAIC CELL in a Sentence Examples: 21 Ways to ...

A photovoltaic cell is a device that converts light into electricity through the photovoltaic effect. Also known as solar cells, photovoltaic cells are made of materials like silicon that create an ...

[Solar cell Definition & Meaning](#)

The meaning of SOLAR CELL is a photovoltaic cell used as a power source. Recent Examples on the Web Most of its revenue comes from export sales to the US, which have increased significantly in the last few years due to tariffs on Chinese solar



cells. -- Samuel Burke, Fortune Asia, 29 Oct. 2024 To compete, the US has struck back with tariffs of up to 100 ...



PHOTOVOLTAIC CELL Definition & Meaning , Dictionary

Photovoltaic cell definition: a photocell in which an electromotive force is generated by a photovoltaic effect.. See examples of PHOTOVOLTAIC CELL used in a sentence. The other end terminated with a PDA with a small rubberized photovoltaic cell on the front.

Photovoltaic in a sentence (esp. good sentence like quote, ...

91 sentence examples: 1. Photovoltaic cells are a product of modern solid - state physics. 2. The aircraft power system consists of photovoltaic cells, a regenerative fuel cell, a engine and propeller. 3. A novel algorithm for photovoltaic module per

Lithium battery parameters

Product capacity: 100Ah

Product size: 135*197*35mm

Product weight: 1.82kg

Product voltage: 3.2V

internal resistance: within 0.5



Photovoltaic (PV) Cells: How They Power Our Future

Ever wondered how we can harness the sun's energy? PV cells are key players in the renewable energy revolution, helping power homes, businesses, and even cars. Join us as we explore how these amazing devices work, their types, and the exciting future they promise. Ready to shine a light on solar power? Let's get started! [...]



How do solar cells work? Photovoltaic cells explained

Two main types of solar cells are used today: monocrystalline and polycrystalline. While there are other ways to make PV cells (for example, thin-film cells, organic cells, or perovskites), monocrystalline and ...



Use photovoltaic cell in a sentence , The best 45 photovoltaic cell

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PHOTOVOLTAIC CELL Definition & Meaning , Dictionary

Photovoltaic cell definition: a photocell in which an electromotive force is generated by a photovoltaic effect.. See examples of PHOTOVOLTAIC CELL used in a sentence. Those panels are covered with photovoltaic cells that convert light energy into electricity by



Examples of 'Solar cell' in a Sentence

'Solar cell' in a sentence: The next step for the researchers is to make an actual solar cell. To test the new solar cells, Yang's team compared the yields of two dollhouse-sized greenhouses growing broccoli, mung beans, and wheat. -- Andrew Paul, Popular Science, 6 ...



Examples of 'photovoltaic' in a sentence

Examples from Collins dictionaries. Special panels of photovoltaic cells capture light from the sun and convert it into electricity. A solar cell is a photovoltaic device that produces an electrical ...



Photovoltaic Cell meaning in Hindi & Urdu with Example Sentences

Photovoltaic Cell : ? ?ovoltaic ? ? : ????????? ???? :
The photovoltaic cell is a key component in solar panels. Example Sentences The photovoltaic cell is a key component in solar panels. ? ?ovoltaic ?
? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ?

Photovoltaic Cell - Definition and How It Works

A photovoltaic cell is an electronic component that converts solar energy into electrical energy. This conversion is called the photovoltaic effect, which was discovered in 1839 by French physicist Edmond Becquerel¹. It was not until the 1960s that photovoltaic cells found their first practical application in satellite technology. Solar panels, which are made up of PV ...



PHOTOVOLTAIC CELL , English meaning

PHOTOVOLTAIC CELL definition: 1. a type of photocell that changes light from the sun into electricity, used in solar panels.... Learn more. These examples are from corpora and from sources on the web. Any opinions in the examples do not represent the opinion of



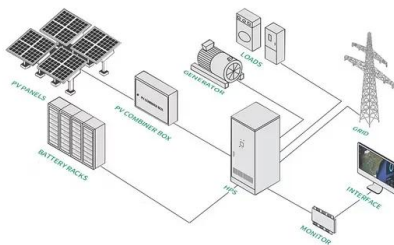
Types of photovoltaic cells

Photovoltaic cells or PV cells can be manufactured in many different ways and from a variety of different materials. Despite this difference, they all perform the same task of harvesting solar energy and converting it to useful electricity. The most common material



Passive Solar Heating Guide (with 10 examples)

For example, the Great Gjenne Mosque in Mali uses a passive solar design to control the interior temperature of the mosque -- this mosque was initially built in 1828 and rebuilt in 1907. However, as we invented new technologies, the need for passive heating fell away to electrical and gas heaters -- designing a home with passive heating methods fell by the wayside.



Photovoltaic Cells , How it works, Application & Advantages

Photovoltaic cells, often referred to as solar cells, are the key components in solar panels that convert sunlight directly into electricity. Their functioning principle is based on the photovoltaic effect, a physical and chemical phenomenon first discovered in the 19th century.



Photovoltaic (PV) Cell: Working & Characteristics

Photovoltaic (PV) cells, or solar cells, are semiconductor devices that convert solar energy directly into DC electric energy. In the 1950s, PV cells were initially used for space applications to power satellites, but in the 1970s, they began also to be used for terrestrial applications.





Definition of 'photovoltaic cell'

PHOTOVOLTAIC CELL definition: a photocell in which an electromotive force is generated by a photovoltaic effect , Meaning, pronunciation, translations and examples Access the entire site, including the Easy Learning Grammar, and our language quizzes.



Examples of "Photovoltaics" in a Sentence , YourDictionary

Learn how to use "photovoltaics" in a sentence with 14 example sentences on YourDictionary. When photovoltaics (PVs) off grid is talked about, what people are referring to is a power supply, usually solar, that is not in any way connected to a main power grid.

Use photovoltaic in a sentence , The best 129 photovoltaic sentence

Example sentences with the word photovoltaic. The most voted sentence example for photovoltaic is Dr Lotto has invented special pavi The most visible application of the photoelectric effect is in solar, or photovoltaic, cells. 0 0 Enhance Your English Writing



Highvoltage Battery



Photovoltaic Effect: An Introduction to Solar Cells

Photovoltaic Effect: An Introduction to Solar Cells Text Book: Sections 4.1.5 & 4.2.3 References: The physics of Solar Cells by Jenny Nelson, Imperial College Press, 2003. Solar Cells by Martin A. Green, The University of New South Wales, 1998. Silicon Solar



Examples of 'photovoltaic cell' in a sentence

We welcome feedback: report an example sentence to the Collins team. Read more... Another way of making electricity from the sun is with a photovoltaic cell (such as in a portable calculator).



Solar cell , Definition, Working Principle, & Development

Solar cell, any device that directly converts the energy of light into electrical energy through the photovoltaic effect. The majority of solar cells are fabricated from silicon--with increasing ...

Photovoltaic Cells

Photovoltaic cells generate electricity from sunlight, at the point where the electricity is used, with no pollution of any kind during their operation. They are widely regarded as one of the solutions to creating a sustainable future for our planet and to combat the clear and present danger of Global Warming and Climate Change .



Examples of "Photovoltaic" in a Sentence , YourDictionary

photovoltaic. Meanings. Synonyms. Sentences. A photovoltaic battery can convert solar light into usable energy. 6. 0. By 1958, Hoffman Electronics produced photovoltaic cells that were 9 ...



Use photovoltaic cell in a sentence , The best 45 photovoltaic cell

How to use photovoltaic cell in a sentence. Example sentences with the word photovoltaic cell. The most voted sentence example for photovoltaic cell is Gallium arsenide is also used in I

Applications



Photovoltaic cell in a sentence (esp. good sentence like quote, ...

22 sentence examples: 1. Recombination occurring in the emitter region of a photovoltaic cell. 2. A solar cell or photovoltaic cell is a device that converts light energy into electrical energy. 3. At 20 percent efficiency, solar photovoltaic cells i 21. But even the tiny gap

Photovoltaic solar cell technologies: analysing the state of

Nearly all types of solar photovoltaic cells and technologies have developed dramatically, especially in the past 5 years. Here, we critically compare the different types of photovoltaic



SOLAR PANEL in a sentence , Sentence examples by

Examples of SOLAR PANEL in a sentence, how to use it. 99 examples: Thus, more solar cells could be installed on the solar panel, which could... During the launch, a meteorite shield prematurely deployed, which ripped off the shield and one of the station's solar





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