

What is photovoltaic adjective?

Definition of photovoltaic adjective from the Oxford Advanced Learner's Dictionary relating to the production of electricity at the meeting point of two substances that have been exposed to light Oxford University Press is a department of the University of Oxford.

What is a photovoltaic cell?

A photovoltaic cell or panel is a device that uses sunlight to cause a chemical reaction which produces electricity. Collins COBUILD Advanced Learner's Dictionary. Copyright © HarperCollins Publishers Collins English Dictionary. Copyright © HarperCollins Publishers Webster's New World College Dictionary, 4th Edition.

How does a photovoltaic device produce a voltage?

A photovoltaic device produces a voltage when it is exposed to light. 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 current from light. A photovoltaic device produces a voltage when it is exposed to light.

What is a photovoltaic panel?

: of, relating to, or utilizing the generation of a voltage when radiant energy falls on the boundary between dissimilar substances (such as two different semiconductors) Recent Examples on the Web Aside from helping mitigate climate change, photovoltaic panels can also help provide resiliency against outages.

How many kilowatts a day can a photovoltaic system produce?

Nils Rokke, Forbes, 8 Oct. 2024 The construction works, which began last June and are projected to end in January 2025, will feature 2400 photovoltaic panels capable of producing 1 million kilowatt-hour of energy per year, or about 3,000 kWh per day, significantly lowering carbon emissions.

Is solar photovoltaic technology a good choice?

But the installed cost of solar photovoltaic technology has declined dramatically over the past few years, making solar photovoltaic technology a compelling choice for consumers. They act as cooling ducts for nearby conservatories, collect rainwater and 11 of them have solar photovoltaic systems to convert sunlight into energy.

adjective. of, concerned with, or producing electric current or voltage caused by electromagnetic radiation, esp visible light from the sun. Collins English Dictionary. Copyright © HarperCollins ...

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Photovoltaic effect definition: the phenomenon in which the incidence of light or other electromagnetic radiation upon the junction of two dissimilar materials, as a metal and a semiconductor, induces the generation of an electromotive force.. See examples of PHOTOVOLTAIC EFFECT used in a sentence.

A research group consisting of Assistant Professor Yasuyuki Ota and Professor Kensuke Nishioka from the University of Miyazaki, Professor Masakazu Sugiyama of the University of Tokyo, Fujitsu Laboratories Ltd., and Sumitomo Electric Industries, Ltd., designed and built a system for water electrolysis using electricity obtained from high-efficiency concentrator photovoltaic cells, ...

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photovoltaic cell. From Wiktionary, the free dictionary. Jump to navigation Jump to search. Contents. 1 English. 1.1 Noun. 1.1.1 Translations; 1.2 See also; English [edit] Noun [edit] photovoltaic cell (plural photovoltaic cells) a device that absorbs radiant energy and converts it into electrical energy;

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In 2015, total installed output in Europe rose to almost 100 GW, making the continent one of the largest markets for photovoltaics. A total of 50 GW of new photovoltaic capacity was added worldwide in 2015 in the midst of a strong growth phase which will witness the global photovoltaic capacity increasing to over 300 GW in 2016 and 500 GW by 2019.

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Emirates Insolaire is expecting strong growth for its sustainable, energy-efficient coloured solar panel technology amidst surging demand for Building-Integrated Photovoltaics (BIPV) across the globe fielded strong enquiries for its photovoltaic modules from project entrepreneurs and photovoltaic manufacturers during its recent participation at Intersolar Europe exhibition, the ...

a device that converts the energy of optical radiation into electric energy by means of the internal photoelectric effect in semiconductors. The energy converted may be the energy of solar radiation (see SOLAR BATTERY), the energy of infrared radiation from hot bodies, or the energy of laser radiation in any wavelength range. A photovoltaic converter is usually a flat panel composed of ...

The Elementary Children's Dictionary (for grades 3-5) defines words in a simple, full-sentence style that explains word meaning to kids. It's full of easy-to-understand definitions, child-friendly example sentences, illustrations, and photos. The Intermediate Children's Dictionary (for grades 6-8), with over 14,000 entries, covers even more of the most important words that children ...



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