



Photovoltaic definition verb

What does photovoltaic mean?

Pick the best words! The meaning of PHOTOVOLTAIC is 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).

Where does the word photovoltaic come from?

The term "photovoltaic" comes from the Greek (phos) meaning "light", and from "volt", the unit of electromotive force, the volt, which in turn comes from the last name of the Italian physicist Alessandro Volta, inventor of the battery (electrochemical cell). The term "photovoltaic" has been in use in English since 1849.

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.

What is the photovoltaic effect?

Photovoltaics (PV) is the conversion of light into electricity using semiconducting materials that exhibit the photovoltaic effect, a phenomenon studied in physics, photochemistry, and electrochemistry. The photovoltaic effect is commercially used for electricity generation and as photosensors.

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.

solar energy. la energí;a solar. solar system. el sistema solar. solar power. la energí;a solar. solar panel. ... Conjugations for every Spanish verb. Vocabulary. Learn vocabulary faster. Grammar. Learn every rule and exception. ... SpanishDictionary is the world's most popular Spanish-English dictionary, translation, and learning website ...

PHOTOVOLTAIC nghĩa, định nghĩa, PHOTOVOLTAIC là; g: 1. able to produce



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electricity from light, or relating to the process of doing this: 2. able to.... Tìm hieu thêm.

Photovoltaic Systems: Fundamentals and Applications is designed to be used as an introductory textbook and professional training manual offering mathematical and conceptual insights that can be used to teach concepts, aid understanding of fundamentals, and act as a guide for sizing and designing practical systems.

"Government" can take a singular or plural verb. Add an ending to make the verb agree with the subject. Adverbs modify verbs. Do you know how to conjugate the verb "seek"? In this essay he has used the same verbs over and over again. The subject doesn't agree with the verb. Transitive verbs take a direct object.

North American As the technology behind photovoltaic energy advances, consumers will be unable to resist the urge to convert. North American Another method of on-site power generation is the photovoltaic cell. North American With a photovoltaic system, the facility generates much of its own electricity and is able to resell some of it. North ...

The U.S. Department of Energy Solar Energy Technologies Office (SETO) supports PV research and development projects that drive down the costs of solar-generated electricity by improving efficiency and reliability. PV research projects at SETO work to maintain U.S. leadership in the field, with a strong record of impact over the past several ...

adjective. (Mechanical engineering: Energy, thermodynamics and heat transfer) A photovoltaic device produces a voltage when it is exposed to light. Special panels of photovoltaic cells ...

Define photovoltaic. photovoltaic synonyms, photovoltaic pronunciation, photovoltaic translation, English dictionary definition of photovoltaic. adj. Capable of producing a voltage when exposed to radiant energy, especially light. pho?to·vol·ta?ic n.

Chapters are written concisely in straightforward language that provides clear explanations of the concepts and principles, with an emphasis on humanitarian applications of photovoltaic systems and a focus on relatively small size systems that will make the book relatable to readers.

Photovoltaic Cell is an electronic device that captures solar energy and transforms it into electrical energy. It is made up of a semiconductor layer that has been carefully processed to transform sun energy into electrical energy. ...

Photovoltaic Cell is an electronic device that captures solar energy and transforms it into electrical energy. It is made up of a semiconductor layer that has been carefully processed to transform sun energy into electrical energy. The term "photovoltaic" originates from the combination of two words: "photo," which comes from the Greek word "phos," meaning light, ...

What Is a Verb? | Definition, Types & Examples. A verb is a word that describes what the subject of a



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sentence is doing. Verbs can indicate (physical or mental) actions, occurrences, and states of being. Examples: Verbs in a sentence Jeffrey builds. a house.. Anita is thinking about horses.. True love exists.. Every sentence must have at least one verb.

Definition of "photovoltaic" COBUILD frequency band. ... Our Learning English blog revisits the topic of phrasal verbs: this week, we're looking at phrasal verbs made up of verb + preposition. Read more. Learning English: phrasal verbs, verb + adverb.

Grid parity: The point at which power generated by solar panels costs the same or less than power from conventional resources like natural gas. Levelized cost of energy (LCOE): The per-unit cost of energy from a solar energy system. You can calculate LCOE by dividing the out-of-pocket cost for the system by the estimated total amount of energy the system will ...

This flexibility allows for solar energy to be generated close to where it is needed, reducing transmission losses and increasing energy efficiency. V. What are the Challenges of Photovoltaics? Despite the many advantages of photovoltaics, there are also several challenges that must be addressed in order to fully realize the potential of solar ...

The photovoltaic effect is a process that generates voltage or electric current in a photovoltaic cell when it is exposed to sunlight is this effect that makes solar panels useful, as it is how the cells within the panel convert sunlight to electrical energy. The photovoltaic effect was first discovered in 1839 by Edmond Becquerel.

3 days ago; 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 efficiency and lowering cost as the materials range from amorphous to polycrystalline to crystalline silicon forms.



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