

What does photovoltaic mean?

fotovoltaico...Need a translator? Get a quick,free translation! PHOTOVOLTAIC definition: 1. able to produce electricity from light,or relating to the process of doing this: 2. able to.... Learn more.

What is a photovoltaic solar system?

A Photovoltaic solar system. A linked collection of solar panels on a roof is called an 'array'. Power density is the amount of power per mass. PV inverters are measured by power density. The higher the power per mass, the better the inverter.

Where does the word photovoltaic come from?

The term 'photovoltaic' comes from the Greek *phōs* 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.

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.

How does a photovoltaic system work?

The photovoltaic effect is commercially used for electricity generation and as photosensors. A photovoltaic system employs solar modules, each comprising a number of solar cells, which generate electrical power. PV installations may be ground-mounted, rooftop-mounted, wall-mounted or floating.



The term "photovoltaic" is derived from the words "photo," meaning light, and "voltaic," referring to electricity, named after Alessandro Volta, a pioneer in the field of electricity. Key points about photovoltaic technology: Photovoltaic cells: The basic building block of photovoltaic technology is the photovoltaic cell, also known as a solar



Photovoltaic (PV) Panel A PV panel, also referred to as a solar panel, is comprised of photovoltaic solar cells connected in a series. PV panels are installed on the rooftop where they absorb photons (light energy) to generate ???



Glossary of Terms, SOLAR 1 Glossary Absorber: In a photovoltaic device, the material that readily absorbs photons to generate charge carriers (free electrons or holes). AC: See alternating current. Activated Shelf Life: The period of time, at a specified temperature, that a charged battery can be stored before its capacity falls to an unusable level.



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.



Photovoltaic. Click for pronunciations, examples sentences, video. Access the entire site, including the Easy Learning Grammar, and our language quizzes.; Customize your language settings. (Unregistered users can only access the International English interface for some pages.)



These two types of silicon are then placed side-by-side within a photovoltaic cell. The Guardian (2015) And the cost of solar photovoltaic has come down by 50%. The Guardian (2016) Submit new words and phrases to the dictionary. Benefit from an increased character limit in our Translator tool. Receive our weekly newsletter with the latest



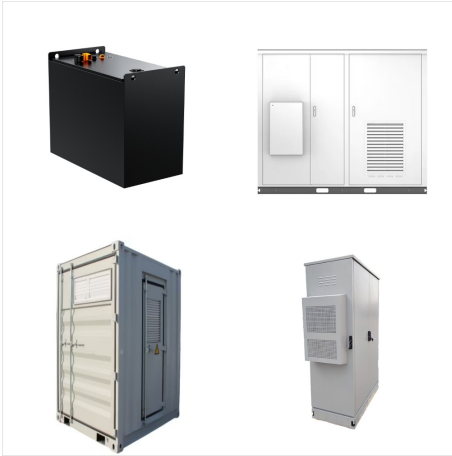
A number of non-hardware costs, known as soft costs, also impact the cost of solar energy. These costs include permitting, financing, and installing solar, as well as the expenses solar companies incur to acquire new customers, pay suppliers, and cover their bottom line.



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 ???



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The earliest known use of the noun photovoltaic is in the 1970s. OED's earliest evidence for photovoltaic is from 1972, in *Journal Engin. for Power*. It is also recorded as an adjective from the 1900s.



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.