

Photovoltaics - Terms Origin. The term photovoltaics derives from the Greek word *phōs* meaning light and the word *volt*, named by Italian physicist Alessandro Volta (1745-1827). Photovoltaics is a science, which examines light-electricity conversion, respectively, photon energy-electric current conversion. In other words it stands for light ...

Of or referring to a photovoltaic cell designed to float in a water environment. 2018, Hazell Marshall, *Environmental Nanotechnology*, page 46 : In May 2008, the Far Niente Winery in Oakville, California, pioneered the world's first floatovoltaic system by installing 994 solar PV modules with a total capacity of 477 kW onto 130 pontoons and ...

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. photovoltaic is formed within English, by conversion. Etymons: photovoltaic adj.

: 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.

to perform research and development on thin-film photovoltaic (PV) and solar thermal systems, becoming the world's first laboratory dedicated to PV research and development. 1973 The University of Delaware builds "Solar One," one of the world's first photovoltaic (PV) powered residences. The system is a PV/thermal hybrid. The

Per the Online Etymology Dictionary: Cobble (v). late 15c., "to mend or patch" (especially shoes or boots), perhaps a back-formation from cobbler, or from cob (deriving from "heap, lump, rounded object"), via a notion of lumps. Meaning "to put together clumsily" is from 1580s. It seems that while being a cobbler was indeed a skilled trade, the notion of "patching", "mending with ...

Names. Everyone has one, most people have a vague idea what their own means, but few give them much more thought. The study of names is called onomastics, a field which touches on linguistics, history, anthropology, psychology, sociology, philology and much more.. When people refer to the "meaning of a name", they are most likely referring to the etymology, which is the ...

Photovoltaics (PVs) are arrays of cells containing a solar photovoltaic material that converts solar radiation or energy from the sun into direct current electricity. Due to the growing demand for renewable energy sources, the manufacturing of solar cells and photovoltaic arrays has advanced considerably in recent years, and costs have dropped.

# Photovoltaic etymology

photovoltaic &quot;of or pertaining to the generation of an electric current at the junction of two substances exposed to light,&quot; 1923, from photo- + voltaic . Related: Photovoltaics (see ...

The term &quot;photovoltaic&quot; comes from the Greek φῶς (phōs) meaning &quot;light&quot;, and from &quot;volt&quot;, 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 &quot;photovoltaic&quot; has been in use in English since 1849.

History of Solar PV. Our journey with solar power goes back thousands of years, beginning with our ancestors harnessing the sun's energy for warmth and sustenance. Early civilizations revered the sun, recognizing its power to grow crops and provide light. Ancient Greeks and Romans used architecture to capture solar heat, designing south-facing windows ...

Photo by Sungrow EMEA on Unsplash What does the term "photovoltaic" mean? The term is derived from two root words: "photo" and "volt". The former comes from the Greek word for "light", as in photo synthesis. The latter is the unit of electromotive force, one of the measurements for electric power.

The performance of PV modules is dependent on ambient conditions, with major impacts caused by irradiance and temperature (Ziane et al., 2021). While the PV power output increases with increasing irradiance for all technologies, it decreases with the increase in module temperature for most technologies.

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. phoʊtoʊˈvɒlˌtæɪk n.

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).

In the present century, solar energy has emerged as an important source of nonconventional energy to meet the energy demand for overall development of a nation. The use of solar energy for human development is not a new discovery but instead is a century-old tradition. As the demand for clean energy sources increases, the importance of the development of efficient ...

Photovoltaic applications: Status and manufacturing prospects. M.H. Alaaeddin, ... Faris M. AL- Oqla, in Renewable and Sustainable Energy Reviews, 2019 1 Introduction. Photovoltaic technology has been exclusively urbanized and used as an alternative source of green energy, providing a sustainable supply of electricity through a wide range of applications; e.g. ...

OverviewEtymologyHistorySolar cellsPerformance and degradationManufacturing of PV systemsEconomicsGrowthThe term &quot;photovoltaic&quot; comes from the Greek φῶς (phōs) meaning

# Photovoltaic etymology

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The first conventional photovoltaic cells were produced in the late 1950s, and throughout the 1960s were principally used to provide electrical power for earth-orbiting satellites. In the 1970s, improvements in manufacturing, performance and quality of PV modules helped to reduce costs and opened up a number of opportunities for powering remote ...

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