

How to say photovoltaic cell industry terms

What is a photovoltaic (PV) cell?

photovoltaic (PV) cell --The smallest semiconductor element within a PV module to perform the immediate conversion of light into electrical energy (dc voltage and current). photovoltaic (PV) conversion efficiency --The ratio of the electric power produced by a photovoltaic device to the power of the sunlight incident on the device.

What is a solar energy glossary?

U ----- V ----- W ----- Y ----- Z ----- Solar Energy Glossary of Photovoltaic Terms is a comprehensive collection of terms pertaining to solar installations, solar electricity, and solar power generation. The definitions included relate to photovoltaic, concentrated solar power, and solar thermal technologies.

What is a photovoltaic system?

In physics,"photovoltaic" refers to anything that produces electricity when exposed to light or other radiant energy. Solar cells,solar modules,and solar panels are often referred to as PV cells,PV modules,and PV panels to express how their electricity is produced.

What is a photovoltaic device?

Photovoltaic (PV) Device: A solid-state electrical device that converts light directly into direct current electricity of voltage-current characteristics that are a function of the characteristics of the light source and the materials in and design of the device.

What is the big solar energy glossary?

The Big Solar Energy Glossary defines and simplifies some of the top solar words,industry acronyms and green energy terms to help you more easily navigate the sector and make more informed decisions. All terms and acronyms are defined in the context of solar energy.

What is the difference between a PV generator and a photovoltaic?

photovoltaic (PV) efficiency--The ratio of electric power produced by a cell at any instant to the power of the sunlight striking the cell. This is typically about 9% to 14% for commercially available cells. photovoltaic (PV) generator --The total of all PV strings of a PV power supply system,which are electrically interconnected.

Solar photovoltaic effect - The phenomenon through which sunlight is converted to electricity via materials with photovoltaic properties. Solar Panel - A module composed of solar photovoltaic materials that turn sunlight into electricity. Stand-alone system - An autonomous or hybrid photovoltaic system not connected to a grid. May or may ...



How to say photovoltaic cell industry terms

Our solar energy glossary offers a collection of key terms and phrases, explained simply and concisely. A type of electrical current that circuits and appliances in most homes utilize. Expressed as a sine wave, the current of AC passes through zero when it changes direction, which makes it a safer electrical current.

Photovoltaic Glossary. In this section terms most often used in solar energy engineering and photovoltaics are explained. This glossary was compiled from several mostly internet sources. ...

Cell Junction: The area of immediate contact between two layers (positive and negative) of a photovoltaic cell. The junction lies at the center of the cell barrier or depletion zone. Charge: The process of adding electrical energy to a battery.

Semiconductor layer -- This is the layer that actually converts the light into electrical energy. Made up of two distinct layers: p-type & n-type; Conducting layers -- Sit on either side of the semiconductor layer, the conducting material collects the energy produced; Anti-reflection coating -- This layer is applied to the side of the cell that is facing the sun and is ...

PHOTOVOLTAIC CELL pronunciation. How to say PHOTOVOLTAIC CELL. Listen to the audio pronunciation in English. Learn more.

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Confused by Solar Power Terms and Wording? This list of words and terminology typically used in the Solar Power industry will help you to understand the meaning of the solar-specific words you hear and see when talking about Solar Power and understanding your solar power quote. Select a letter of the alphabet to jump there.

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Photovoltaic (PV) The term photovoltaic (PV) comes from two root words: "photo" (light) and "voltaic" (voltage). In physics, "photovoltaic" refers to anything that produces electricity when exposed to light or other radiant energy. Solar cells, solar modules, and solar panels are often referred to as PV cells, PV modules, and PV ...

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If you've come across the term "photovoltaic" and wondered how to pronounce it, you're not alone. Many people find this word challenging to say, but with a little guidance, you'll be able to master it in no time. In this guide, we'll break down the pronunciation of "photovoltaic" and provide some tips for saying it correctly.

Looking to expand your knowledge of solar energy? Check out our glossary of 50+ solar energy terms to help you better understand the industry. From photovoltaic cells to net metering, ...

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