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Title: Photovoltaic bracket related English vocabulary

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What is a photovoltaic (PV) module?

photovoltaic (PV) module --The smallest environmentally protected, essentially planar assembly of solar cells and ancillary parts, such as interconnections, terminals, [and protective devices such as diodes] intended to generate DC power under unconcentrated sunlight.

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 the photovoltaic effect?

The photovoltaic effect is the process that allows solar panels to convert sunlight into electricity. It was first discovered by Alexandre Edmond Becquerel in 1839. The process involves photons (light particles) knocking electrons free from atoms, generating a flow of electricity.

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.

A-B-C-D-J-L-M-N-O-P-parallel connection--A way of joining two or more electricity-producing devices (i.e., PV cells or modules) by connecting positive leads together and negative leads together; such a configuration increases the current. passive solar home--A house that uses a room or another part of the building as a solar collector, as opposed to active solar, such...See more on solar-electric .b_imgcap_altitle p strong,.b_imgcap_altitle .b_factrow strong{color:#767676}#b_results .b_imgcap_altitle{line-height:22px}.b_imgcap_altitle{display:flex;flex-direction:row-reverse;gap:var(--mai-s mtc-padding-card-default)}.b_imgcap_altitle .b_imgcap_img{flex-shrink:0;display:flex;flex-direction:column}.b_imgcap_altitle .b_imgcap_main{min-width:0;flex:1}.b_imgcap_altitle .b_imgcap_img>div,.b_imgcap_altitle .b_imgcap_img

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EdgeSolar Energy Terminology Guide & Solar Terms GlossaryContract with a solar company to have a solar
energy system installed on your roof. With a solar lease, you agree to pay the company a fixed monthly fee to
"rent" ...

Contract with a solar company to have a solar energy system installed on your roof. With a solar lease, you agree to pay the company a fixed monthly fee to "rent" the system in exchange for the benefits ...

Solar Photovoltaic (Solar PV) - Technology that converts solar energy to usable electricity which can be used, stored, or converted for long-distance transmission. A photovoltaic system minimally includes ...

Photovoltaics (PV) is the direct conversion of solar energy into electricity. Many advantages and benefits add value to PV systems beyond the potential economic savings. PV is an environmentally friendly ...

Solar cell efficiency is the ratio of the electrical energy produced by a photovoltaic cell (under full sun conditions or 1 kW/m²) to the energy from sunlight falling upon the photovoltaic cell. An integrated ...

photovoltaic (PV) array --An interconnected system of PV modules that function as a single electricity-producing unit. The modules are assembled as a discrete structure, with common support or mounting.

Unlock the secrets of solar energy with Palmetto's comprehensive solar glossary. Understand key terms, jargon, and concepts to make your solar journey seamless with this guide to ...

While everyone's busy oohing and aahing over shiny panels, these structural workhorses are literally holding

your entire system together. But how much do you really know about the nuts and bolts (pun ...

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 ...

Solar Array - A linked collection of solar panels. Also known as a photovoltaic (PV) array. Inverter - An electrical device that converts direct current (DC) into alternating current (AC). Inverters are ...

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, we've got you covered.

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