



# About English vocabulary of photovoltaic energy storage

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Generated on: 2026-04-02 09:03:58

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What is a solar energy glossary?

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 solar energy storage system?

The accumulation of dirt, dust, or debris on solar panels that can reduce their efficiency by blocking sunlight. A grouping of multiple solar panels connected together to increase the overall power output of a solar system. Energy storage systems that allow solar-generated electricity to be stored for use when solar panels are not producing power.

What is a solar photovoltaic system?

The linkage of a solar photovoltaic system to the public electricity grid, allowing for the exchange of electricity between the system and the utility. The point at which the cost of producing power from renewable sources equals or is less than the cost of purchasing power from the traditional utility grid.

What is a solar power unit?

A unit of power measuring the rate of energy conversion or transfer, used to quantify the output capacity of solar panels. A building or home that produces as much energy as it consumes over a specified period, typically achieved through energy efficiency and renewable energy generation.

In recent years the role of the PV inverter has expanded into smart energy management, including storage, grid interaction, home energy, EV charging, monitoring, safety, and more.

The unsung hero here is energy storage - the ultimate "piggy bank" for electricity. From lithium-ion batteries powering EVs to massive hydroelectric dams acting as nature's power banks, ...

Photovoltaic energy storage professional vocabulary What is a photovoltaic solar system? A Photovoltaic solar system. A linked collection of solar panels on a roof is called an "array". Power ...

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 ...

A-B-C-D-J-L-M-N-O-P-junction box--A PV generator junction box is an enclosure on the module where PV strings are electrically connected and where protection devices can be located, if necessary. junction diode--A semiconductor device with a junction and a built-in potential that passes current better in one direction than the other. All solar cells are junction diodes...See more on solar-electric #b\_results

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Cell efficiency:The ratio of the electrical energy produced by a photovoltaic cell (under full sun conditions or

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1 kW/m<sup>2</sup>) to the energy from sunlight falling upon the photovoltaic cell. Cell ...

New to solar energy? Don't worry--we've got you covered! The solar industry is full of technical terms, but understanding the basics can go a long way in helping you make smart, confident decisions. ...

Fundamental to every highly technical field is a standard set of terms that manufacturers, designers and end users can employ to help understand and compare these systems. Building off ...

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).

This comprehensive energy storage glossary will help you better understand the key terms and concepts shaping this rapidly evolving industry. As new technologies emerge and the world ...

Explore our comprehensive solar power glossary! From photovoltaic systems to energy storage, get detailed definitions and industry insights for solar professionals.

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