



Basic test questions on solar photovoltaic power generation

What is a solar Photovoltaic Certification Exam?

The document is a practice exam for solar photovoltaic certification that contains 70 multiple choice questions testing knowledge of PV system components, electrical calculations, safety procedures, and best practices.

What is a solar photovoltaic system?

Solar photovoltaic (PV) systems use solar panels to directly convert sunlight into electricity. These panels contain photovoltaic cells that absorb sunlight and release electrons, generating an electrical current. The electricity produced can be used to power homes, businesses, and even entire communities.

What does PV stand for in solar energy?

PV stands for Photovoltaic in relation to Solar energy. Photovoltaic refers to the technology that converts sunlight into electricity using solar cells. This technology is commonly used in solar panels to generate renewable energy. Therefore, the statement "PV stands for Photovoltaic in relation to Solar energy" is true.

Who can take a solar energy certification exam?

Anyone with a bachelor's or a master's degree in any science related field can take this exam to boost their knowledge and enhance their career opportunities.

- o What is Solar Energy?
- o Learning Earthing for PV Array, Balance Of System (Bos) and Other Components and Lightning Protection
- o Learning Occupancy Safety and Health Administration (OSHA)

Which volt system is used in a photovoltaic module?

4. The most common volt system in a Photovoltaic module is the 12-volt system. This is because it is a standard voltage for many small-scale solar applications, such as charging batteries or powering small electronic devices. It is also commonly used in off-grid solar systems.

How does photovoltaics work?

Photovoltaics refers to the direct conversion of light into electricity at the atomic level. This technology utilizes solar cells made of semiconductor materials that absorb photons from sunlight. When the photons strike the solar cells, they dislodge electrons from their atoms, creating an electric current.

Those who are at initial stages of learning and understanding of the solar PV systems, and want to build their confidence in a different mode to quickly grip the theories including calculations behind the solar PV systems.

... These ...

The solar power plant uses solar energy to produce electrical power. Therefore, it is a conventional power plant. ... Basic Components Needed for Solar Panel System Installation; ... For a bulk generation, this plant

can be installed in any ...

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