

Solar power generation system is powered by solar energy





Overview

How is solar power generated?

Solar power is generated in two main ways: Solar photovoltaic (PV) uses electronic devices, also called solar cells, to convert sunlight directly into electricity. It is one of the fastest-growing renewable energy technologies and is playing an increasingly important role in the global energy transformation.

Where does solar energy come from?

Solar energy comes from the limitless power source that is the sun. It is a clean, inexpensive, renewable resource that can be harnessed virtually everywhere. Any point where sunlight hits the Earth's surface has the potential to generate solar power. Solar power is renewable by nature.

What is solar energy & how does it work?

Solar energy is a very flexible energy technology: it can be built as distributed generation (located at or near the point of use) or as a central-station, utility-scale solar power plant (similar to traditional power plants).

What is solar energy?

Solar power is energy from the sun that is converted into thermal or electrical energy. Solar energy is the cleanest and most abundant renewable energy source available, and the U.S. has some of the richest solar resources in the world.



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