

Key takeaways. Solar cells are typically made from a material called silicon, which generate electricity through a process known as the photovoltaic effect. Solar inverters convert DC electricity into AC electricity, the electrical current appliances run on when plugged into a standard wall socket.

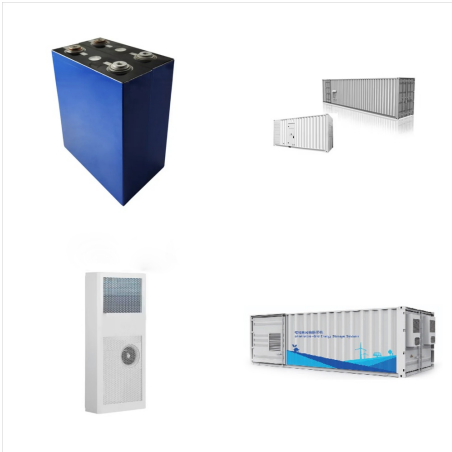


Solar technologies convert sunlight into electrical energy either through photovoltaic (PV) panels or through mirrors that concentrate solar radiation. This energy can be used to generate electricity or be stored in batteries or thermal storage.



Learn how to choose, install, and pay for solar panels for your home with this comprehensive guide from the Department of Energy. Find out if solar is suitable for your home, how to avoid scams, and what incentives and benefits you can get.

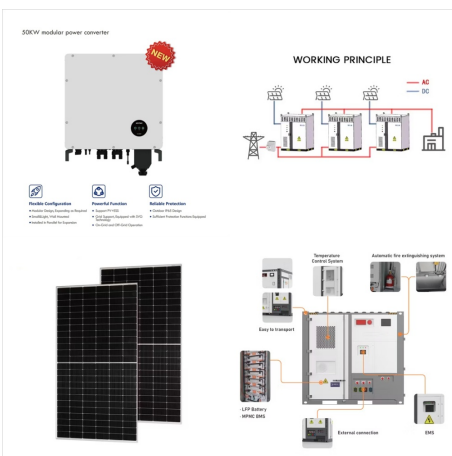
HOW DO YOU OBTAIN SOLAR ENERGY



Learn about solar energy, a vast, inexhaustible, and clean resource that can generate electricity using the sun's light or heat. Find out how solar panels, rooftop solar, large-scale PV, and concentrating solar power plants work and benefit the environment and society.



Solar energy is the clean, renewable power from the sun that we can capture with solar panels or solar thermal systems. Learn how solar panels work, the types of solar applications, and the history of solar power.



Learn how solar energy is a form of renewable energy that turns sunlight into electricity, heat, or other forms of energy. Find out how solar photovoltaics, concentrating solar, solar water heaters, and passive solar heating work and how they are growing worldwide.

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Let's look at five innovative solar energy harvesting technologies. 1) Photovoltaic solar panels.

Photovoltaic (PV) solar panels use the sun's power to create a flow of electricity. This is the most widely adopted method of harvesting solar energy today.