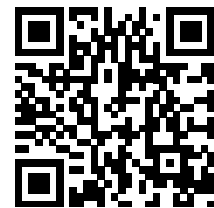


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Harnessing the Sun



The Earth receives a vast amount of energy from the _____ every day. This energy is both clean and abundant, making it a perfect _____ for generating electricity. Solar panels, also known as photovoltaic cells, convert _____ directly into electricity. Unlike fossil fuels, solar power does not emit harmful _____ into the atmosphere, making it an environmentally friendly option.

The basic unit of a solar panel is the solar _____. These cells are made from materials like silicon, which can absorb _____ from sunlight and create an electric current. When many _____ are connected together, they form a solar panel. A group of solar panels working together is called a solar _____. To power homes and businesses, solar arrays are often installed on _____ or in large, open areas called solar farms.

One of the main advantages of solar energy is its _____. It is a resource that cannot be depleted over time, unlike coal or oil. However, solar power does face challenges such as the need for _____. This means that energy generation is lower during the night or on cloudy days. To address this, energy storage systems like _____ are used to store excess power generated during sunny periods.

Solar power is becoming increasingly _____ as technology advances and production costs decrease. Governments and private sectors are investing in solar energy, recognizing its _____ to meet global energy demands sustainably. This is important because the _____ for energy continues to grow, and transitioning to renewable energy sources like solar power is crucial for combating climate _____.

In conclusion, solar power plays a vital role in the renewable energy landscape. Its benefits include reducing greenhouse _____ emissions, decreasing dependence on fossil fuels, and providing a sustainable way to meet the _____'s energy needs. As we move forward, the importance of solar energy is only set to _____, making it a key player in the transition to a cleaner, more sustainable energy future.

sunlight world affordable source potential demand change sun increase gas
pollutants batteries sunlight cell array cells rooftops renewability photons