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Solar Panels and Solar Farms: How Do They Work Together?

Solar energy is a clean and powerful way to make electricity. You may have seen solar panels on top of houses, schools, or even cars. But have you ever heard of a solar farm? Both use sunlight to create energy, but they work a little differently—and they can even work together!

Solar panels are flat, shiny tools that turn sunlight into electricity. They are made of special materials that catch sunlight and change it into energy we can use to power lights, TVs, and other devices. People often put solar panels on their rooftops to help lower their electric bills and use cleaner energy.

Solar farms are much larger. They are wide, open spaces filled with hundreds or even thousands of solar panels all lined up in rows. These farms are usually built in sunny places where there is lots of space, like deserts or fields. The electricity they produce can power whole neighborhoods or even towns.

So, what's the difference? A solar panel is something an individual person or family might use. A solar farm is built by energy companies to share power with many people.

Even though they are different in size, solar panels and solar farms work in the same basic way—they both collect sunlight and turn it into electricity. They also work well together. If more people use rooftop panels and we build more solar farms, we can make a big switch from dirty fossil fuels to clean solar energy.

Solar farms can help support cities. Rooftop panels can help families. Together, they help the world.