

## Clean Energy 101: How Solar Energy Works

Solar energy is clean, renewable energy.

Let me tell you about how it works.

The sun creates tiny pockets of energy called photons.

Those photons travel down to Earth.

When the photons hit solar panels, the solar cells in the panels convert photons into energy.

Kind of like how a leaf uses photosynthesis.

Light from the sun stimulates electrons on the solar panel.

When sunlight hits the panels, the energy created is direct current or DC electricity.

An inverter is used to convert the DC electricity to alternating current or AC electricity

Which is the type of electricity transmitted on the electrical grid.

A meter then measures the amount of solar energy being produced.

Then the clean energy is distributed to the grid through transmission lines.

And that clean energy is used to power homes and businesses!

Today our solar fleet powers more than 500,000 homes, and we're just getting started.

Over the next 15 years, we expect to power more than 3 million homes with solar energy.

Now, that's a bright future!