

Solar 101

Just like leaves on a tree, solar panels collect and transform light into energy.

- 1 As sunlight is absorbed by a solar panel, photons from the sun cause electrons to move, creating what is called low voltage direct current (DC) electricity.
- 2 Nearly all appliances and devices are designed to run off of alternating current (AC) electricity, so DC electricity must be converted to AC through an inverter.
- 3 AC electricity then travels through the transformer where the voltage is changed based on the electrical infrastructure.
- 4 The transformed energy travels through transmission lines to electrical substations in the area and is then distributed through the power grid for consumer use.

