

How a Solar Panel Works

1. Sunlight hits the solar panels and generates an electric current (DC).
2. The electric current flows to the inverter, which converts DC electricity to AC, the most commonly used form of electricity.
3. The AC electricity flows from the inverter to the electrical panel, which directs the current to any appliance in the building that is using electricity.
4. When the solar energy system produces more electricity than is needed, electricity flows through a utility meter to the grid. The utility meter records the amount of electricity that is sent from the solar energy system to the grid.
5. When the solar energy system produces less electricity than is needed, electricity flows from the grid, through the utility meter, to the electrical panel, which directs the current to any appliance in the building that is using electricity. The utility meter also records the amount of electricity that is sent to the building from the grid.

