

How Solar Energy Works

- When sun rays hit the solar panel, material inside the panel (usually silicon) absorbs the sun's photons.
- The photon's dislodge the electrons from atoms in the photovoltaic (PV) cell.
- The voltage difference between the - and + electrodes creates an electric current.
- Copper wire inside the panel carries the current out.
- The direct current (DC) travels out of the panel to an inverter which converts it to alternating current (AC).
- The electrical current then passes through electrical safety breaker boxes before going to the grid.
- Electrical items such as computers and lights can use the AC electricity.
- Most of the solar farm electricity goes to the utility grid for use by its customers.

