

How Solar Works

Solar photovoltaic (PV) systems, also referred to as solar electric systems, capture sunlight and convert it into electricity. Solar PV systems can be used to power everything in your home including lights, appliances, and even an electric vehicle.

1

PANELS

When photons from sunlight come in contact with the silicon inside solar panels, this reaction creates direct current electricity (DC)

2

INVERTERS

The direct current (DC) flows through an inverter device which converts the direct current (DC) to alternating current (AC)

3

METER

Your meter records how much energy (kWh) your home uses. When your solar PV system produces more energy than your home can use, excess energy is sent back to the grid

4

GRID

Your solar PV system remains connected to the grid. This allows you to receive credit for any excess energy, and lets you draw from the grid when your solar PV system isn't producing energy

