

Solar at work in the home

While it's dark out, your home works like it would with a conventional electrical system. AC energy from the grid enters your meter, the device that measures how much you use (and pay for).

From there, it's connected to your breaker panel, where it's distributed to the various loads – lights, outlets, and appliances – in the house.

When the sun shines, photovoltaic panels on your roof push DC electricity through an inverter, where it's changed to AC. It then enters the breaker panel, where it's distributed throughout the house.

Energy you don't use runs back through the meter and to the utility, where it's credited to your bill.

Your meter actually runs backward!

