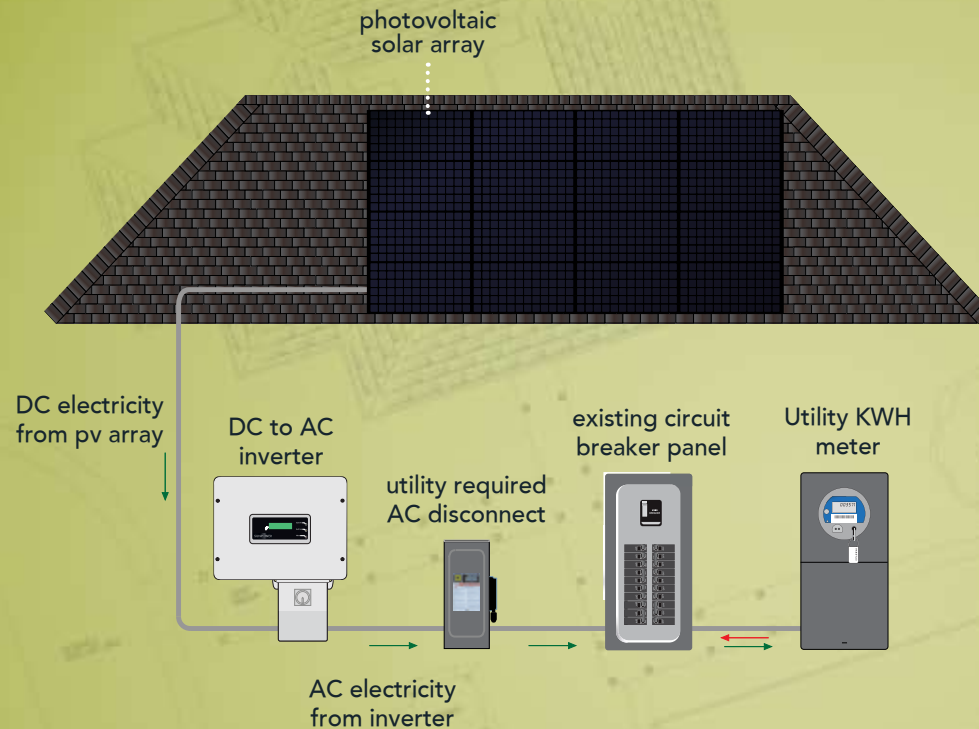


photovoltaic system at work



Daytime-High Solar Output

Power flows from the array and inverter into the service panel. There is more than enough power to serve all the loads in the buildings. Excess power flows out through the utility meter and into the utility grid, generating a credit.

Daytime-Low Solar Output

Power flows from the array and inverter into the service panel. The power demand of the buildings load is greater than the power from the solar system. The deficit is drawn from the utility. The meter spins forward, but at a reduced rate.

Nighttime

No power flows from the array and inverter into the service panel. The entire power demand of the building is drawn from the utility.

Utility Outage

The inverter shuts off any output during a day time outage. No power flows from the array or inverter into the service panel. There is also no power flowing from the utility into the house. (If the utility outage ends during daylight, the inverter automatically resumes operation and begins supplying solar power to the service panel).

