

How Solar Generated Electricity Works

The REnU is made up of the primary components listed below. The an AC PV panel utilizes solar cells to convert sunlight directly into dc electricity. The Advanced Hybrid Controller is the device that monitors the electricity.

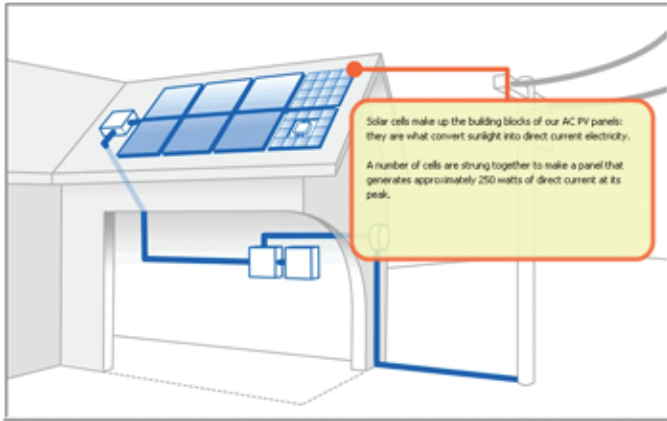


Figure 1: Solar Cells

Solar cells make up the building blocks of our AC PV panels.

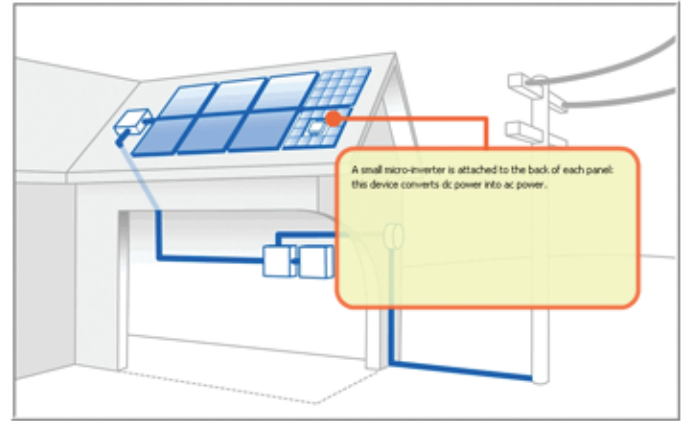


Figure 2: Inverter

A small micro-inverter is attached to each panel.

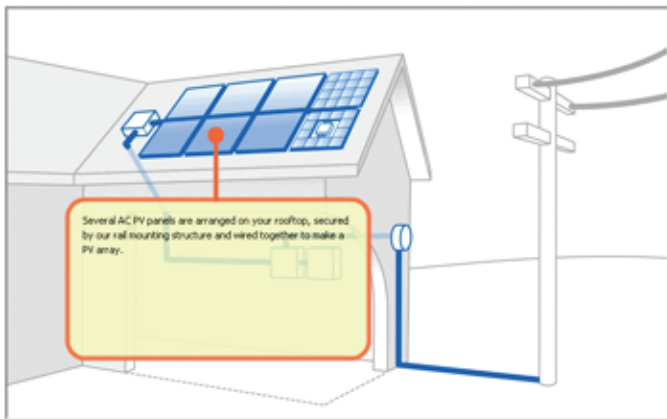


Figure 3: PV Array

Multiple solar cells connect together to form an array.

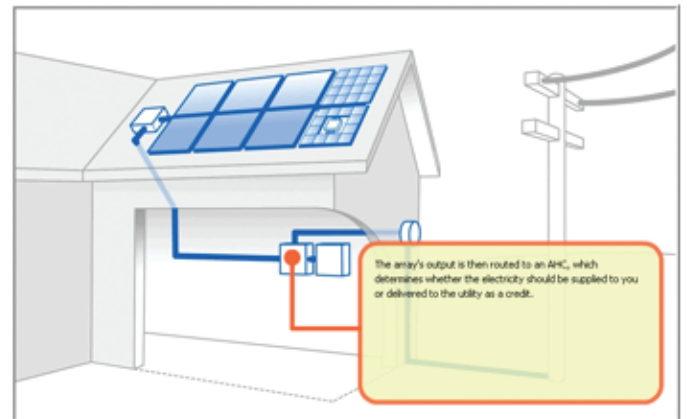


Figure 4: Advanced Hybrid Controller

Determines if electricity goes to your house or grid.

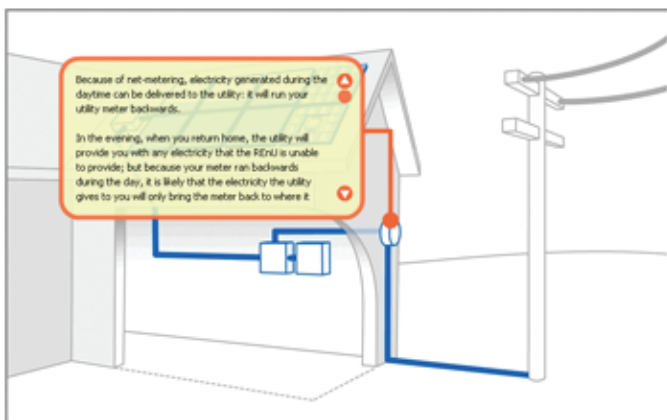


Figure 5: Utility Meter

During the day your meter will run backwards.

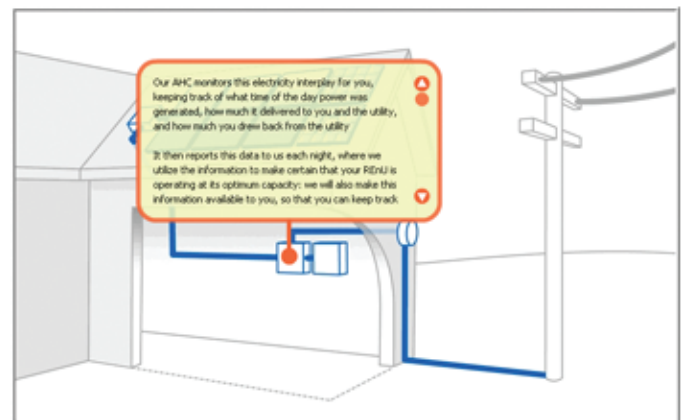


Figure 6: REnU Monitoring

The system completes a daily upload of energy use.