



Photovoltaic Cells

What are they???

Also known as Solar Cells Photovoltaic Cells convert sunlight into energy or electricity. Using a material called the photoelectric effect, we are able to absorb the solar energy, collection its photons of light and eject the elections. When the elections are captured, they produce an electric current. The larger these panels are, the larger the array we are able to make, which produces more electricity.

How can I use them?

Solar cells are used everywhere in normal day to day life. They are used for your calculators, traffic lights, satellites, etc. During the day, the sun is able to charge these panels, causing them to act like a battery. These systems are very reliable in remote areas where there are not many other power source options.

How do they benefit us?

Solar energy is a natural way of creating energy, making it a clean energy source. The sun is completely sustainable and renewable and very reliable. The PV systems are also very reliable, lasting about 20-25 years with little to no maintenance. While they can be pricey, solar power is one of the fastest global energies in the world and prices have been declining with the incline of people who choose solar power over others.