



OVERCOMING OBJECTIONS

Solar PV's Scientific Pedigree

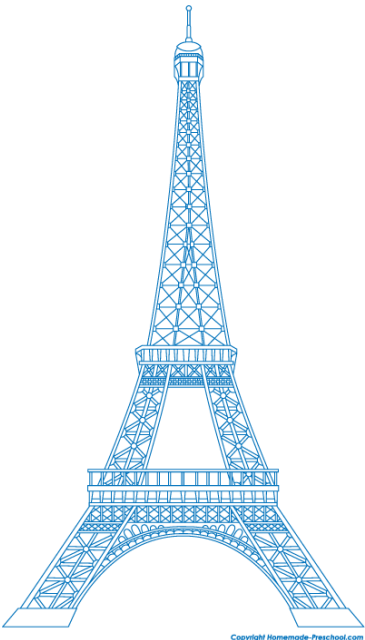
Experienced solar sales people have heard potential clients say, “I’ll wait until solar is proven. It’s so new.” Use these facts to counter that particular objection! Solar Photovoltaic technology has a **blue ribbon scientific pedigree**.



SCIENTIFIC DISCOVERY -- 1839, FRANCE

In 1839, Edmund Becquerel, the seventeen year old son of a French scientist, took an electrolytic cell into the yard outside of his father’s Paris laboratory. Noting that the cell’s activity increased in sunlight, the young scientist had discovered “The Photovoltaic Effect.”

It took almost seventy years for Albert Einstein to identify and explain the physics that cause the photovoltaic effect to ‘work.’



SCIENTIFIC EXPLANATION -- 1905, SWITZERLAND

At age 26, before he was recognized as one of the world’s foremost physicists, Albert Einstein was working at the Swiss Patent Office. In what was later referred to as “The Miracle Year” (1905), Albert wrote four groundbreaking papers. As a result, in 1921, Dr. Einstein was awarded the Nobel Prize in Physics for his discovery of the law of the photoelectric effect, upon which countless inventions rest, including the PV solar panel.



EINSTEIN’S NOBEL PRIZE MEDAL



1939

THE FIRST SOLAR PANEL - 1954, USA

The first prototype solar panel (“Bell Solar Battery”) was built by Bell Laboratories in 1954. The New York Times reported:

“The Bell invention marked the beginning of a new era ... harnessing the almost limitless energy of the sun for the uses of civilization.”

The New York Times



Gerald Pearson, Daryl Chapin, and Calvin Fuller (left-to-right), inventors of the Bell Solar Battery. Photo credit: NREL, *The Silicon Cell; Turns 50*, with permission from AT&T Bell Labs

Vector Solar is a Division of Vector Structural Engineering, a professional services firm. The firm is licensed in every state, and prepares residential solar structural certification letters in two business days or less. For information, call **800-553-0018** or visit **www.VectorSolar.com**.

COPYRIGHT 2018, VECTOR STRUCTURAL ENGINEERING, LLC

