

**Espay Solar Energy S.L.**

# **Who discovered the photovoltaic effect**



## Overview

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Alexandre-Edmond Becquerel was a French who studied the,,, and . In 1839, he discovered the, the operating principle of the, which he invented in the same year. He is also known for his work in and . He was the son of and the father of, the discoverer of .

## Who discovered the photovoltaic effect

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### Edmond Becquerel

Overview  
Biography  
The first photovoltaic device  
Photographic discoveries  
Other studies  
Publications  
Honors and awards  
Further reading

Alexandre-Edmond Becquerel was a French physicist who studied the solar spectrum, magnetism, electricity, and optics. In 1839, he discovered the photovoltaic effect, the operating principle of the solar cell, which he invented in the same year. He is also known for his work in luminescence and phosphorescence. He was the son of Antoine César Becquerel and the father of Henri Becquerel, the discoverer of radioactivity.

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### Photovoltaics

A physical phenomenon allowing light-electricity conversion - the photovoltaic effect, was discovered in 1839 by the French physicist, Alexandre Edmond Becquerel.



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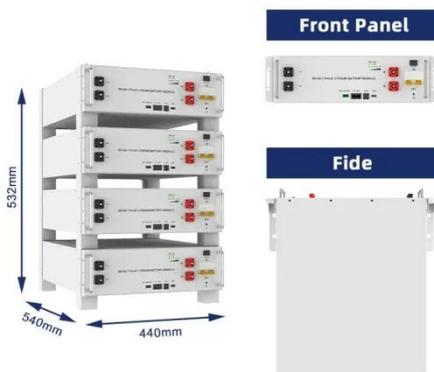
### Who Invented Solar Panels? History from 1839 to Today



Becquerel had no idea he'd just discovered the foundation of a multi-billion-dollar industry. He called it the "photovoltaic effect" - literally meaning "light-electricity." This young physicist had unlocked the ...

### Looking Back At The History Of Solar Energy , Chariot Energy

1839: Edmond Becquerel Discovered the Photovoltaic Effect While solar power was a recognized thermal energy source for centuries, the building blocks for modern photovoltaic (PV) solar panels didn't arise until the early ...



### Who Invented Solar Energy and When?

In 1839, Alexandre Edmond Becquerel discovered the photovoltaic effect, a pivotal moment that laid the foundation for modern solar energy. This effect refers to the generation of an electric current when ...

### A Brief History of Solar Panels

This effect was first observed by a German physicist, Heinrich Hertz. In his research, Hertz discovered that more

power was created by ultraviolet light than visible light.



### **Edmond Becquerel**

When Edmund Becquerel was 19 years old (in 1839) he discovered the photovoltaic effect. He discovered this effect while experimenting with an electrolytic cell made up of two metal electrodes.

### **Photovoltaic effect**

It is this effect that makes solar panels useful, as it is how the cells within the panel convert sunlight to electrical energy. The photovoltaic effect was first discovered in 1839 by Edmond Becquerel.



### **Solar Energy History: Major Events & Inventions**

Solar energy's development commenced in 1839 when French physicist Alexander Edmond Becquerel (1820-1891) conducted research that led to the

discovery of the "photovoltaic (PV) effect."



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## History , Energy4me

1839 - Edmond Becquerel, a young physicist working in France, observed and discovered the photovoltaic effect, a process that produces a voltage or electric current when exposed to light or radiant energy.



## Edmond Becquerel

In 1839, at age 19, while experimenting in his father's laboratory, Becquerel created the world's first photovoltaic cell. In this experiment, he placed silver chloride in an acidic solution and illuminated it while it was ...

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