

SolarTech Power Solutions

Solar panel photoelectric effect



Overview

The photovoltaic effect is the generation of voltage and in a material upon exposure to . It is a phenomenon. The photovoltaic effect is closely related to the . For both phenomena, light is absorbed, causing excitation of an or other to a higher-energy state. The main distinction is that the term photoelect.

Solar cells are ingeniously designed to convert sunlight directly into electricity through the photovoltaic effect. This effect relies on the interaction between photons (light particles) and the semiconductor material within the cell.

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