

# Solar power generation is the photoelectric effect



## Overview

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A solar cell, also known as a photovoltaic cell (PV cell), is an electronic device that converts the energy of directly into by using the. It is a type of photoelectric cell, a device whose electrical characteristics (such as , , or ) vary when it is exposed to light. Individual solar cell devices are often the electrical building blocks of , known colloquially as "sol.

## Solar power generation is the photoelectric effect

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### Solar explained

People have used the sun's rays (solar radiation) for thousands of years for warmth and for drying food. Over time, we've developed technologies to capture solar energy for heat and to convert it into



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## Solar power

Solar power, also known as solar electricity, is the conversion of energy from sunlight into electricity, either directly using photovoltaics (PV) or indirectly using concentrated solar power.



## Solar explained

Solar photovoltaic cells are grouped in panels, and panels can be grouped into arrays of different sizes to power water pumps, power individual homes, or provide utility-scale electricity

## SOLAR , Division of Information Technology

SOLAR is Stony Brook University's primary administrative system used by faculty and staff to update personal information, view vacation/sick accruals, print class rosters, submit grades, and more.



## Solar Energy

There are two main types of solar energy technologies-photovoltaics (PV) and concentrating solar-thermal power (CSP). On this page you'll find resources to learn what solar

## [Solar Energy News , Today's latest by Renewables Now](#)

Latest solar power news from Europe, Latin America, Sub-Saharan Africa, APAC, MENA and more. Stay updated on solar PV, solar energy, policy & projects.



## [Solar system , Definition, Planets, Diagram, Videos, & Facts , Britannica](#)

Solar system, assemblage consisting of the Sun and those bodies orbiting it: 8 planets with more than 400 known planetary satellites; many asteroids, some with their own satellites;

## Solar cell

OverviewApplicationsHistoryDeclining costs and exponential capacity growthTheoryEfficiencyMaterialsResearch in solar cells

A solar cell, also known as a photovoltaic cell (PV cell), is an electronic device that converts the energy of light directly into electricity by using the photovoltaic effect. It is a type of photoelectric cell, a device whose electrical characteristics (such as current, voltage, or resistance) vary when it is exposed to light. Individual solar cell devices are often the electrical building blocks of photovoltaic modules, known colloquially as "sol



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