

# How do solar panels generate electricity directly



## Overview

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At a high level, solar panels are made up of solar cells, which absorb sunlight. They use this sunlight to create direct current (DC) electricity through a process called "the photovoltaic effect. Below, you can find resources and information on the. You probably already know that solar panels use the sun's energy to generate clean, usable electricity. Solar PV panels are often described as "turning sunlight into electricity," but for many homeowners and first-time solar users, that explanation feels too simple.

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### [Automated external defibrillators: Do you need an AED?](#)

An automated external defibrillator (AED) is a portable device that can be used to treat a person whose heart has suddenly stopped working. This condition is called sudden cardiac arrest.

### **Triglycerides: Why do they matter?**

Why do high triglycerides matter? High triglycerides may contribute to hardening of the arteries or thickening of the artery walls, called arteriosclerosis. This condition increases the risk of



### **How Is Solar Energy Converted Into Electricity?**

Solar energy is converted into electricity through the photovoltaic effect, a process where sunlight, composed of photons, agitates electrons in a

### **How well do face masks protect against COVID-19?**

Face masks can help slow the spread of coronavirus disease 2019 (COVID-19). Learn about mask types, which masks to use and how to use them.



### **How Does Solar Work?**



### [Acute sinusitis: Do over-the-counter treatments help?](#)

Medicine you can get without a prescription may give some relief from acute sinusitis symptoms.



### **Statin side effects: Weigh the benefits and risks**

The body needs cholesterol. But having too much cholesterol in the blood raises the risk of heart attacks and strokes. Statins block an enzyme the liver needs to make cholesterol. This



### [Osteopathic medicine: What kind of](#)

When the sun shines onto a solar panel, energy from the sunlight is absorbed by the PV cells in the panel. This energy creates electrical charges that move in response to an internal electrical field in



### **How do solar panels work? Solar power explained**

At a high level, solar panels are made up of solar cells, which



### [Weight training: Do's and don'ts of proper technique](#)

You might learn weight training techniques by watching friends or others in the gym, but sometimes what you see isn't safe. Weight training technique that isn't proper can lead to muscle

## doctor is a D.O.?

You know what M.D. means, but what does D.O. mean? What's different and what's alike between these two kinds of health care providers?



## **Exercise: How much do I need every day?**

You can do strength training by using weight machines or weights, your own body weight, heavy bags or resistance bands. You also can use resistance paddles in the water or do activities

## **Cardiopulmonary resuscitation (CPR): First aid**

Cardiopulmonary resuscitation (CPR) is an emergency treatment that's done when someone's breathing or heartbeat has stopped. For example, when someone has sudden cardiac



## **Arthritis pain: Do's and don'ts**

Arthritis is a leading cause of pain and limited mobility worldwide. There's plenty of advice on managing arthritis and similar conditions with exercise, medicines and stress management. But

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