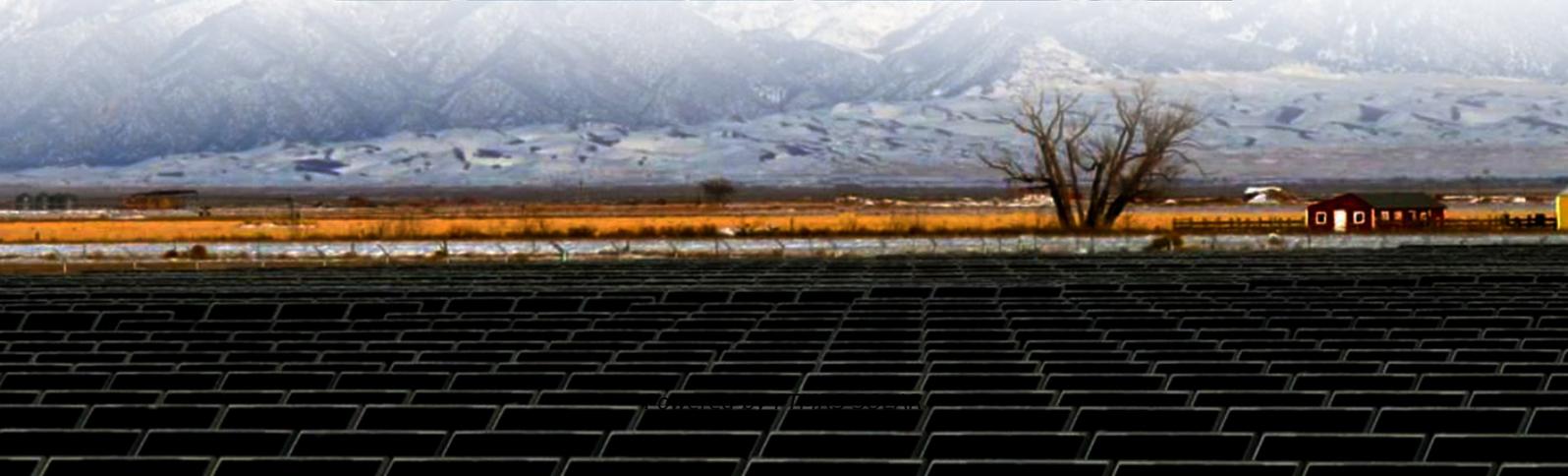


How to generate electricity when there is no electricity in the container





Overview

A team of European scientists has demonstrated exactly this possibility: a new method for turning mechanical motion into electrical energy using water trapped inside nanometer-sized pores etched into silicon. What makes electric power possible?

What makes electric power possible—and indeed practical—is a superb electromagnetic device called an electricity generator: a kind of electric motor working in reverse that converts ordinary energy into electricity. Let's take a closer look at generators and find out how they work!.

Can solar energy be turned into electricity without a generator?

Wherever your energy comes from, it'll almost certainly be turned into electricity with the help of a generator. Only solar cells and fuel cells make electricity without using generators. Photo: A typical electricity generator. This one can make up to 225kW of electric power and is used for testing prototype wind turbines.

Can electric power be stored in batteries?

And, once you've produced it, you can store it in batteries and use it days, weeks, months, or even years later. What makes electric power possible—and indeed practical—is a superb electromagnetic device called an electricity generator: a kind of electric motor working in reverse that converts ordinary energy into electricity.

How is electricity generated in a power plant?

For commercial purposes, electricity is generated in a power plant. Most of these power plants use turbines. A turbine is a mechanical device mostly propelled by a fluid or gas. It converts other forms of energy to mechanical energy by allowing them to rest on the turbine blades to cause a rotary motion.



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How electricity generators and dynamos work

Generators in The Real WorldHow Much Power Does A Generator Make?Portable
 GeneratorsGenerating electricity sounds simple--and it is. The hard thing is that you need to put in a huge amount of physical effortto generate even small amounts of power. You'll know this if you have a bicycle with dynamolights powered from the wheels: you have to pedal somewhat harder to make the lights glow--and that'sjust to produce the tiny amount of el See more on explainthatstuff

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