



# **There is water under solar power generation Is it dangerous for people to go into the water**

Do photovoltaic solar panels use a lot of water?

Photovoltaic solar power, such as the panels installed on a home's roof, uses no water at all to generate electricity. The only water usage occurs when the panels themselves need to be washed to improve their efficiency.

Does using solar panels contaminate ground water?

Solar panels installed on a roof, such as those used for photovoltaic solar power, use no water at all to generate electricity. However, there is a risk of spills from other parts of the solar power industry that could contaminate ground water.

Is solar the most water-efficient form of energy?

Solar isn't the most water-efficient form of energy generation, according to 2012 figures. Wind energy uses less water per megawatt hour than solar PV. And second, the most widely used and generally reliable form of renewable energy we use is the worst in terms of water wastage.

How much water does solar power use?

The River Network's 2012 paper estimates that around two gallons of water per megawatt-hour are used directly in photovoltaic power generation (read: washing panels). This is far better than any of the fossil fuel equivalents.

Does water scarcity affect the use of photovoltaic systems?

Although water scarcity directly influences the use of water in photovoltaic systems, there have been a low number of studies related to water scarcity around the world. Unfortunately, they are not reliable due to gaps and inconsistency in measurement.

Do solar panels work better on water?

Traditional solar farms are land intensive and tend to take up more space on a per-watt basis than fossil fuels. There is research suggesting that solar panels may operate more efficiently when buoyed on the surface of water, although researchers note more work needs to be done to conclude whether that's the case.



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