# Can solar panels be used at home to generate electricity



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How do solar panels generate usable electricity?
Solar arrays create a usable electricity system for your home by producing direct current (DC) electricity. This is achieved through the photovoltaic effect,where solar cells convert sunlight into electrical energy.

Should you use solar power to generate electricity at home?
Using solar power to generate electricity at home is a very appealing optionfor a number of reasons: not only would you be reducing your overall environmental footprint and greenhouse gas emissions,but you would be reducing your bills and could even generate some income by selling back excess energy into the grid.

Do solar panels generate electricity during the day?
Solar panels require sunlight to generate electricity,so they do not generate electricity during the day. However,home solar systems typically generate excess electricity during the day,which can be stored in batteries or sent to the local grid in exchange for net metering credits.

How is solar energy used to power your home?
Most home solar systems are "grid-tied" meaning that the solar system,home electrical system,and local utility grid are all interconnected,typically through the main electrical service panel.

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