

What are solar shingles





Overview

What are solar shingles?

Solar shingles are roof shingles made of photovoltaic (PV) cells, the same electricity-generating material on solar panels.

Can solar shingles be used as a roof?

Durability: Designed to function as both roofing material and solar panels, solar shingles are built to withstand harsh weather conditions. **Dual functionality:** They serve as both a roof and a power generator, potentially offsetting some of the cost.

What are the different types of solar shingles?

There are two main types of solar shingles: CIGS (copper-indium-gallium-selenide) solar shingles. These shingles use more recently developed thin-film technology to generate home solar power. They can also be made into more flexible and lighter shingles to blend into existing or new roofs.

How do Solar shingles work?

Solar shingles operate on the same principles as standard solar panels. When sunlight strikes the photovoltaic cells within the shingles, it triggers a chemical reaction that converts light energy into electricity.



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