

Should solar panels be installed over traditional roofs?

Solar panels installed over traditional roofs can suffer from weather-related problems and compromise the roof construction. The EU-funded TilePlus project designed new roof tiles with embedded tough photovoltaic cells. This would allow millions of homes across Europe to produce their own energy.

What are solar tiles made of?

Our solar tiles are manufactured with the highest quality PERC monocrystalline photovoltaic cells to maximize the efficiency of your roof. 745 x 745 mm SunStyle is a structural roof and solar module combined, providing a durable, leak-proof roofing solution that is both beautiful and protective.

What are autarq solar roof tiles?

Roof tile and solar module in one. Autarq solar roof tiles are original roof tiles with integrated miniature solar modules. They are almost indistinguishable from regular roof tiles and blend seamlessly into the overall aesthetic of your roof. Gain freedom from electricity suppliers and soaring prices.

Can a solar roof be integrated with a planum tile?

Our Solar tile combines perfectly with our Planum ceramic tile, so the system will be fully integrated with the roof. Planum Solar tiles are made from premium mono crystalline cells and the glass technology that surrounds them is very sturdy and durable in extreme weather conditions.

Why should you choose a roof tile with or without solar cells?

This ensures that your roof can be designed with exactly the Watt-peak (solar cell performance) that makes sense for the consumption your household has. There is a minimal visual difference between a roof tile with or without solar cells, and it can actually only be seen if one looks at the tiles closely and from above.

What is a combined solar roof tile and a battery solution?

The combined solar roof tiles and a battery solution offers an easy-to-use monitoring system so you can track your solar roof system's performance, monitor the amount of energy it stores and how much you're saving on your energy bill.

Today, the EU-funded TilePlus project is developing the first solar system made of real roof tiles. These tiles have the same size, shape, and appearance as normal roof tiles of buildings. In contrast to standard solar panels or tiles, these are easier to install, more reliable and safer (<120 V operations versus 400 V).

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With E-Tile+, 20-30 million roofs across the EU, could be targeted to harvest solar energy. Furthermore, our unique and patented tiles contacting approach (plug-and-play and parallel ...

Solar roof tiles are revolutionizing the European market by providing a more aesthetically pleasing and efficient alternative to traditional solar panels. These innovative tiles are designed to seamlessly integrate into existing roof structures, making them virtually indistinguishable from regular tiles.

SunStyle® is a structural roof and solar module combined, providing a durable, leak-proof roofing solution that is both beautiful and protective. Solar shingles are more durable than most standard roofing materials, even in harsh weather conditions like hail, snow, rain and high wind.

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The roof tiles are available both with and without integrated invisible solar cells. This ensures that your roof can be designed with exactly the Watt-peak (solar cell performance) that makes sense for the consumption your household has.

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