

---

What are freesuns solar tiles?

Designed in Switzerland and individually hand-crafted to the highest industry quality standards, Freesuns solar tiles have been developed to last. As a result, they are more robust than normal roof tiles and much stronger than ordinary solar panels. Our tiles can be adapted to any roof with variations in shape, colour, and size.

How does a solar tile system work?

The system ensures water tightness and withstands heavy snow loads. The red colour is obtained from ceramic pigments that are fused into the glass. The tile is equipped with high efficiency solar cells (>22.5%) to maximise the electricity production.

What are building integrated photovoltaic (BIPV) solar roof tiles?

In a dynamic partnership with Freesuns, CSEM has been at the forefront in developing a groundbreaking generation of Building Integrated Photovoltaic (BIPV) solar roof tiles. These tiles serve a dual purpose: not only do they enhance building aesthetics, but they also significantly increase durability and strength.

Which Solaris tile should I Choose?

The Solaris? Premium Black tile is simple and elegant. It is the perfect product for buildings where you want to have solar cells that are barely visible. The Solaris? Classic is our base tile suitable for most applications and a great match for contemporary architecture. The rendering is stylish and powerful.

Why do we need solar tiles?

The tiles play a pivotal role in reducing carbon emissions and our overall environmental footprint. By capturing the Sun's energy, they contribute to a greener planet. The tiles boast a minimum degradation ratio and a more robust life span (at least 25-30 years).

Which solar roof tile should I Choose?

The Solaris? Classic is our base tile suitable for most applications and a great match for contemporary architecture. The rendering is stylish and powerful. Freesuns solar/photovoltaic tiles allow you to have 100% coverage and a solar roof that improves both aesthetics and performance.

---

Zurich insures photovoltaic systems and solar thermal installations along with their respective components. The insurance package covers damage ?

A redesigned cell from project partner Autarq, a German climate technology firm, incorporated conductive glue which increases the surface area available to absorb solar rays, increasing ?

May 7, 2025 Fraunhofer ISE and Freesuns have launched pilot production of advanced matrix shingle solar roof tiles in Freiburg, marking a key ?

May 6, 2025 The flexible, automated production allows the project partner Freesuns, a Swiss solar roof manufacturer, to produce its newly ?

SolarTerra® is a solar tile developed in Switzerland which aims to equip traditional buildings with solar technology while respecting their cultural heritage. It is a fully integrated solution that ?

Mar 19, 2024 In Switzerland, the main focus in the renewable energy sector is on conversion into electricity and district heating. Hydroelectric power ?

May 28, 2025 The flexible, automated process is assisting Swiss partner Freesuns ahead of mass production of the new matrix shingle solar roof ?

Solskin elegantly combines intelligent shading with solar electricity production. Solar tracked PV panels are redirected to the optimal position resulting in a reduction of building energy ?

Apr 7, 2025 The main activity is the development, production and supply of innovative solar cell systems and solar modules. From Black frame to Full black, from transparent to glass-glass ?

Apr 18, 2023 Ascent Solar Technologies, Inc. Accelerates Global Expansion Through Completed Acquisition of Swiss Thin-Film Solar Manufacturing Equipment Ascent Solar's acquisition of ?

May 16, 2025 The Switzerland-based solar module maker highlighted its niche product, solar tiles, at its booth at Intersolar Europe 2025. Click ?

Zurich ? The roof of the Schutz & Rettung building in the center of Zurich has been fitted with a solar solution integrated into the roof structure. It is one ?

---

May 28, 2025 The flexible, automated process is assisting Swiss partner Freesuns ahead of mass production of the new matrix shingle solar roof tiles. The industry-oriented production ?

Overview on different actors in Swiss Photovoltaics Research and list of ongoing and past research- und pilot- & demonstration in the field of photovoltaics / &#220;berblick &#252;ber verschiedene ?

Oct 27, 2025 Why Switzerland"s Commercial Rooftop Solar Market Matters Switzerland plays a pivotal role in the future of solar growth thanks to a combination of robust policy direction, ?

Jun 10, 2025 SWISS SOLAR AG Swiss Solar AG is an independent European company, represented in over 100 countries around the world, with headquarters in Zug, Switzerland. ?

Web: <https://luisliwanag.asia>