



scan voor vc-card



The Beauty of Photovoltaics

Sunspan Canopy

Double use of Solar energy



Roof & solar in one

The Robisol Sunspan Canopy system offers a logical alternative for the construction and renovation of sheds, barns and parking shelters. A roof covering such as corrugated or trapezoidal sheets is unnecessary because the Sunspan System uses the solar panels as a roof. The transparency of the solar panel offers a pleasant interior space and allows solar energy to be aesthetically integrated into the building.

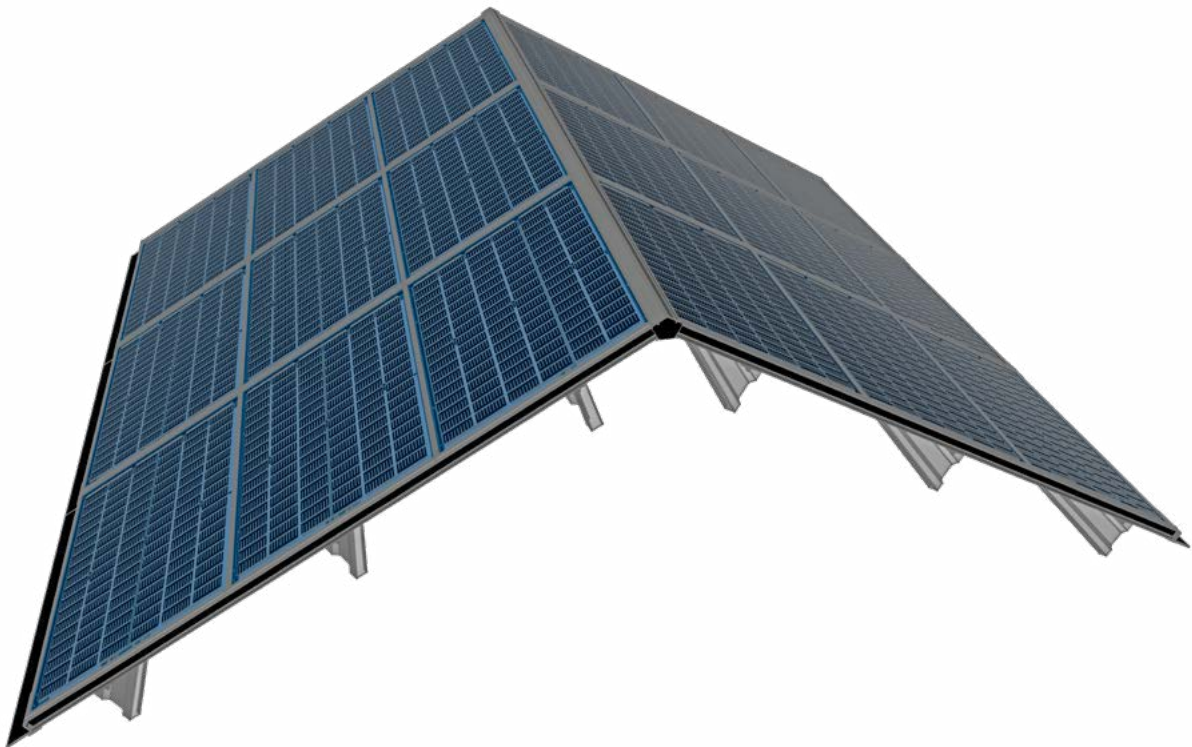
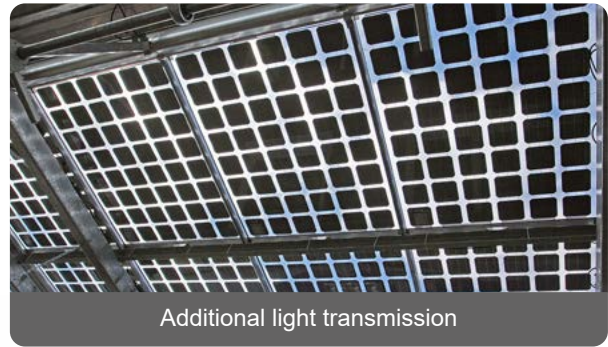
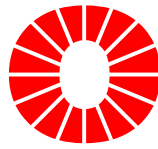


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The Building Structure

The Sunspan System is mounted on the purlins of the roof structure. The panels are connected with stacking profiles on battens. At the bottom, a filling plate or flashing can be fastened. At the top, the system fits in a ventilating ridge. The solar roof can be mounted from working platforms inside the building to make the work safe and efficient.

With mounting on purlins, the Sunspan system is a generically applicable roof structure. The use of solar roofs can therefore be applied in many kind of buildings.



Freedom of choice



Examples of solar panels

Roof size (gutter c.t.c.)	4.00m	3.20m	3.20m
Power	535Wp	450 Wp	400Wp
Light transmission	6%	6%	20%
Composition	132 cell glass-glass	108 cell glass-glass	96 cell glass-glass
Size	2094x1134x30mm	1722x1134x30mm	1722x1134x30mm
Fire class	C (A on request)	C (A on request)	C (A on request)
Wind load	2400Pa	2400Pa	2400Pa
Snow load	5400Pa	5400Pa	5400Pa
Product warranty	15 year	15 year	15 year
Output warranty	30 year linear	30 year linear	30 year linear

The PV Modules

The Sunpark Systeem is suitable for many types of solar panels. In cooperation with investors or large scale installers, there is often a desire to buy 'own' panels so that the efficiency of the PV System can be guaranteed. Please note that the Sunspan System is designed for solar panels with a frame height of 30mm. For landscape mounting, solar panels with a length under 1800mm are recommended.

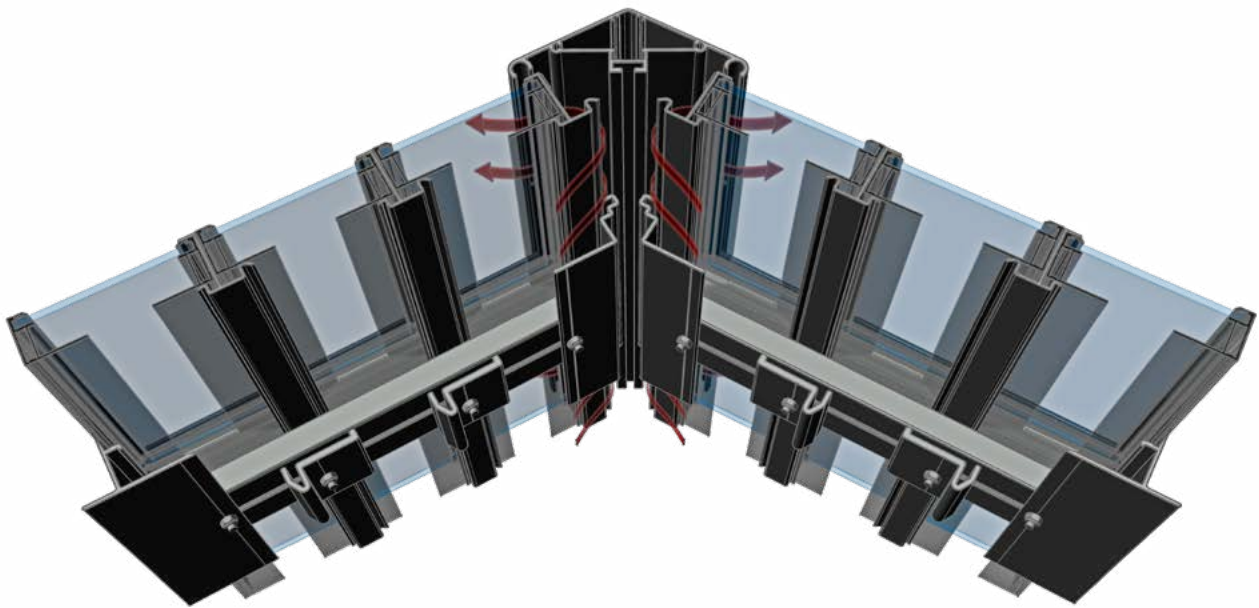
Standard solar panels provide a friendly interior space, because no solar panel is 100% light proof. Additionally, it may be interesting to choose for extra light transmission. With a solar roof, this can be achieved by using solar panels with slightly more space between the cells.



Utilisation of roof area



Electrical management



The practical benefits

The Sunspan canopy has been developed to mount solar panels as a building product. With solar panels as the roof, indoor spaces are covered with semi-transparent and reliable roofing.

In addition to high energy production per square metre, the solar roof provides:

- a smart and strong roof construction that fits many substructures;
- a beautiful light transmission under the canopy;
- a watertight roof with reliable drainage;
- integrated electrical management for maximum efficiency.