

# Roof-integrated solar modules



## Roto Sunroof: Strong performance. Strong design.

The Roto brand products offer quality 'Made in Germany'. Being an experienced major supplier of roof-light windows, Roto has the required know-how in constructing durable and reliable roofing.

Roto offers a modular concept which combines solar power and solar heating with roof-light windows.



### Going from protective to functional roofing

In the Roto Sunroof System, all the requirements of an integrated system are always met. The solar modules are equipped with a wooden support frame and are screwed onto the usual battening using angle plates. The 6" mono cells and the black rear-side film provide a homogenous appearance and high surface efficiency.

The Roto Sunroof System is a solution for the entire roof, adaptable to your specific needs. The cover frame lets you connect it at the verge, chimney, dormer windows, ridge and eaves.

### The cover frames are available for:

- Roof-tile connections
- Slate-roof & plain-tile connections
- Barrel-tile connections

### The following colours are available:

- Silver (titanium-zinc, preweathered)
- Brown (powder-coated)
- RAL colours (special finish)

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06/08

Electrical data*	Sunroof SRP 10/20
Nominal capacity $P_{max}$	270 Wp
Power tolerance	$\pm 3 \%$
MPP voltage $U_{mpp}$	35,6 V
MPP current $I_{mpp}$	7,59 A
Open-circuit voltage $U_{oc}$	43,6 V
Short-circuit current $I_{sc}$	8,14 A
Max. system voltage	750 V
Temp. coefficient ( $I_{sc}$ ) $\%/^{\circ}\text{C}$	0,03
Temp. coefficient ( $U_{oc}$ ) $\%/^{\circ}\text{C}$	-0,37
Connection	Tyco connectors
<b>Mechanical data</b>	
Length	2028 mm
Width	1047 mm
Weight	26 kg
<b>Manufacturer warranty</b>	
Product warranty	2 years
Performance guarantee 90%	12 years
Performance guarantee 80%	25 years
<b>Item no.</b>	10 09 27000

\* Values applicable under standard test conditions (STC): Irradiation 1000 W/m<sup>2</sup>, air mass AM 1.5, cell temperature 25 °C

## Certificates:

- IEC 61215
- DIN VDE protection class II

