

Skarpnes Ovati™ Powered by Autarq.

Designed, manufactured and refined in Europe.

All benefits at a glance.



Flexible

Solar roof tiles are suitable even for complex roof surfaces



Durable

Just as reliable as the manufacturer's original roof tiles



Weatherproof

Tile impermeability and water drainage remain intact



High quality

Same materials as used in conventional solar modules



Plug-and-play installation

Even without prior electrical knowledge



Traditional workflow

Solar tiles and regular tiles are installed at the same time



Fully intact roof

Perfectly ventilated, without drilling or screws



High safety and fire protection

Through safe low voltage range



Service-friendly

No electronics on the roof, tiles can be replaced at any time

Colour



Black

Set yourself free. Request a non-binding offer.



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Technical Data

Electrical Data (STC)	
Nominal output power P_{MPP}	13 W
Nominal voltage U_{MPP}	41 V
Nominal current I_{MPP}	0,315 A
Open-circuit voltage U_{OC}	49 V
Short-circuit current I_{SC}	0.330 A
Temperature coefficient	-0.40 %/K

Electrical data are average values (+/- 5 %), measured under standard test conditions (STC): 1000 W/m², 25 °C, AM 1.5 (Reference measurement by Fraunhofer ISE Freiburg, Germany)


Material Data	
Dimensions	420 x 330 mm
Solar module size	418 x 265 mm
Mechanical resilience	5400 Pa, hail- and snowproof, walkable
Tile material	Concrete
Front glass	3.2 mm toughened, structured solar glass (TSG)
Solar cells	Monocrystalline silicon solar cells
Composite materials	EVA, polyolefins, silicone
Connector	Proprietary plug system, UV-resistant
Connection cable	2 x 0.75 mm ² solar cable in compliance with EN50618 H1Z2Z2-K
Operating temperature	-40 to +85 °C

Solar Roof Tiles and Roof	
Covering capacity	9.5 tiles/m ²
Recommended batten size	40 x 60 mm
Cover length Exact batten spacing is mandatory	360 +/- 10 mm
Cover width	305 mm
Weight	5.3 kg
Roof pitch	23–60°
Recommended roofing	Off-centre
Colour	Black
Tiles per package	Packs of four

For further data on the Skarpnes Quati™ tile and installation details, please refer to the original data sheets and installation manual by Skarpnes.

Guarantee and Certification	
Product warranty	5 years
Performance guarantee	25 years, 80 % electrical power output
Applicable standards	IEC 61215, IEC 61730
Hail resistance class	3
Fire safety	Extra low voltage in compliance with VDE 0100-712
Fire resistance classification in compliance with EN 13501-5	B _{ROOF} (t1) – hard roof, not flammable

In partnership with:


SKARPNES

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