

# CREATON PV-AUTARQ. Solar roof tiles 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

## Colours



### FINESSE black glaze

Product-ID Autarq = 1000033  
Product-ID CREATON = 4088451



### NUANCE black engobe

Product-ID Autarq = 1000035  
Product-ID CREATON = 4088452



### NUANCE copper red engobe

Product-ID Autarq = 1000034  
Product-ID CREATON = 4088453

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autarq.com

## Technical Data

Electrical Data (STC)	TCRDO 1000 FINESSE black glaze & NUANCE black engobe	TCRDO 800 NUANCE copper red engobe
Nominal output power $P_{MPP}$	10 W	8 W
Nominal voltage $U_{MPP}$	41 V	41 V
Nominal current $I_{MPP}$	0.245 A	0.195 A
Open circuit voltage $U_{OC}$	49 V	49 V
Short-circuit current $I_{SC}$	0.255 A	0.205 A
Temperature coefficient	-0.40 %/K	-0.40 %/K

Electrical data are average values (+/- 5 %), measured under standard test conditions (STC): 1000 W/m<sup>2</sup>, 25 °C, AM 1.5 (Reference measurement by Fraunhofer ISE Freiburg, Germany)

Material Data	
Dimensions	257 x 437 mm
Solar module size	330 x 210 mm
Mechanical strength	5400 Pa, hail- and snowproof, walkable
Tile material	Clay
Front glass	3.2 mm toughened structured solar glass (ESG)
Solar cells	Monocrystalline silicon solar cells
Composite materials	EVA, polyolefins, silicone
Connector	Proprietary plug system, UV-resistant
Connection cable	2 x 0.75 mm <sup>2</sup> solar cable in compliance with EN50618 H1Z2Z2-K
Operating temperature	-40 bis +85 °C

Solar Roof Tiles and Roof	
Covering capacity	12 tiles/m <sup>2</sup>
Recommended batten size	40 x 60 mm
Cover length Exact batten spacing is mandatory	352 +/- 2 mm
Cover width	224–226 mm
Weight	4.9 kg
Roof pitch	15–80°
Recommended roofing	Off-centre
Colours	FINESSE black glaze, NUANCE black engobe, NUANCE copper red engobe
Tiles per package	Packs of four

For further data on the CREATON PV-AUTARQ tile and installation details, please refer to the original data sheets and installation manual by CREATON.

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 <sub>ROOF</sub> (t1) – hard roof, not flammable

In partnership with:



Autarq GmbH, Brüssower Allee 87, 17291 Prenzlau, Germany  
CREATON GmbH, Dillinger Straße 60, 86637 Wertingen, Germany

[www.creaton.de](http://www.creaton.de) / [www.creaton.at](http://www.creaton.at) / [www.creaton.ch](http://www.creaton.ch) / [www.autarq.com](http://www.autarq.com)

Version 1/2024. Technical changes and errors may occur.

