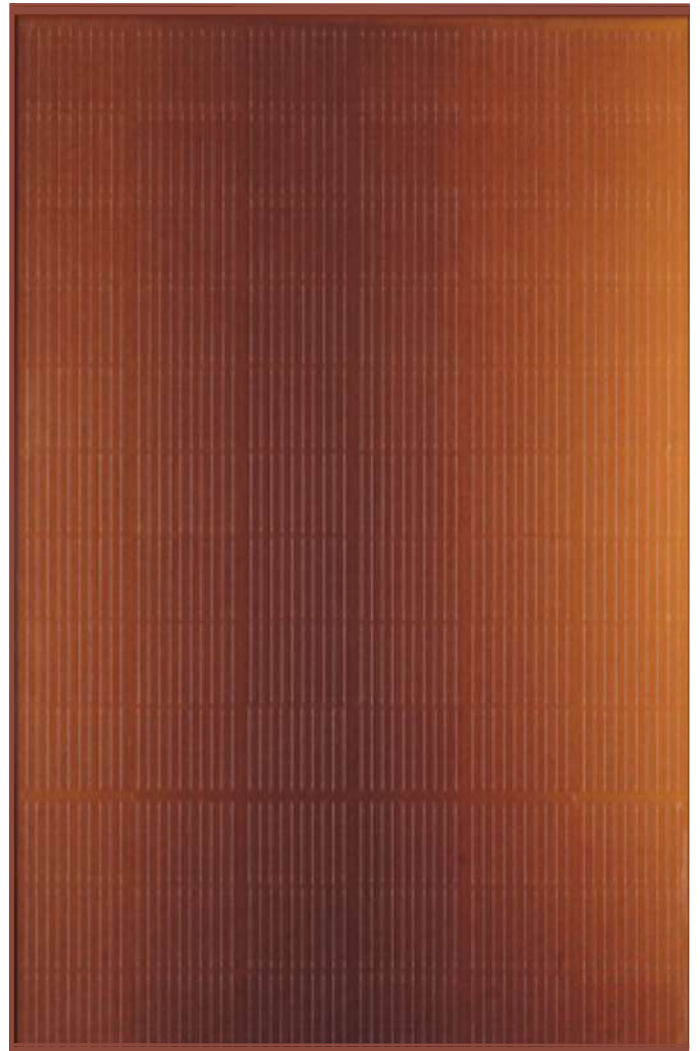


SolarRoof Solrif „D“ glass/glass bifacial N-type 415 W - v2 Terracotta

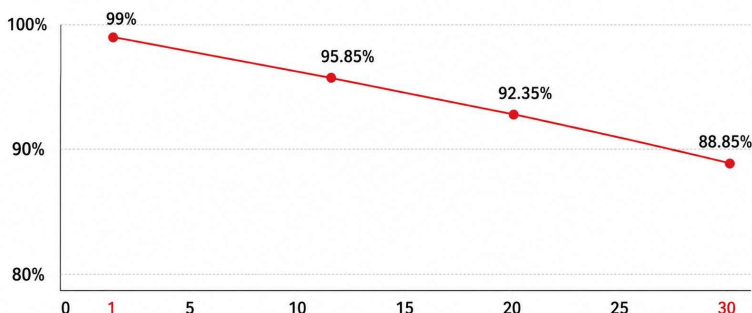


- Powerful because of TOPCon cell technology
- High module efficiency up to 20,77 %
- 3,2 mm + 2 mm solar glass
- Original EVO2A MC4 connector
- Mechanical load capacity of 8.000 Pa
- Full cost coverage in the event of a warranty claim



Solrif made by **Schweizer**

Linear performance guarantee of 30 years



German guarantor



ELECTRICAL DATA @ STC

Rated power, P _{mpp} / Wp	415
Voltage open circuit, Voc / V	34,85
Short circuit current, I _{sc} / A	15,46
Max. voltage, V _{mpp} / V	28,64
Max. current, I _{mpp} / A	14,53
Module efficiency up to / %	20,77
Temperature range / °C	-40 bis +70
Max. system voltage DC / V	1500
Fire protection class	Class A
Max. reverse current, I _r / A	30

Technical data according to STC (Standard Test Conditions) Irradiation 1000 W/m² | Module temperature 25 °C | Air Mass 1.5

ELECTRICAL DATA @ NOCT

Module power, P _{max} / Wp	313,60
Open circuit voltage, Voc / V	32,67
Short circuit current, I _{sc} / A	12,4
Maximum power voltage, V _{mpp} / V	27,23
Maximum power current, I _{mpp} / A	11,73

Technical data for NOCT (Nominal Operating Cell Temperature) Irradiance 800 W/m² | Wind speed 1 m/s | Ambient temperature 20 °C | Cell operating temperature 43 +/-2 °C | Air Mass 1.5

TECHNICAL DATA

Cell / Type	Monocrystalline N-type TopCon / half cells
Number of cells	96 (2 x 48)
Dimensions	1806 x 1160 x 20 mm
Weight	30 kg
Front	3,2 mm tempered glass
Backsheet	2 mm tempered glass
Junction box / diodes	IP68, 3 diodes
Cable	4 mm ² solar cable, 1200 mm long
Connector	Original EVO2A MC4-connector

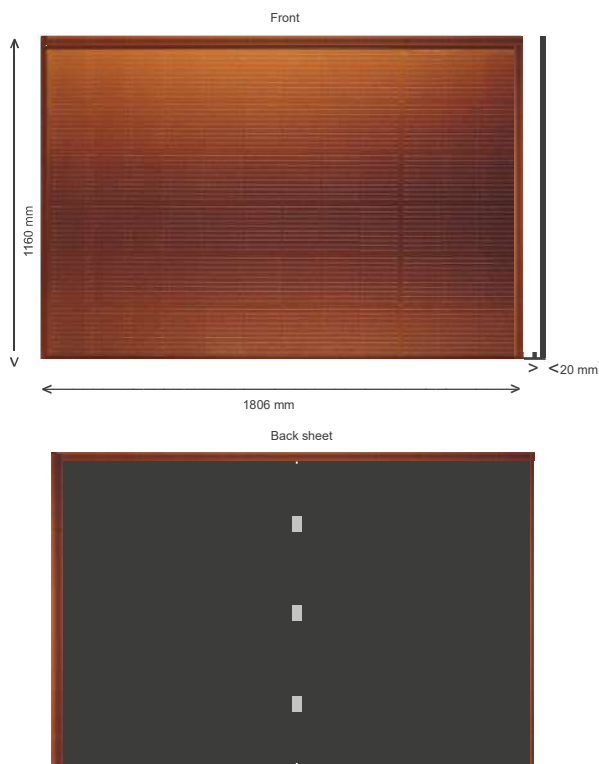
TEMPERATURE COEFFICIENTS

Nominal operating temp. cell (NOCT)	45°C+- 2°C
Temp. coefficient, (P)	- 0,26%/°C
Temp. coefficient, (V)	- 0,20%/°C
Temp. coefficient, (I)	0,050%/°C

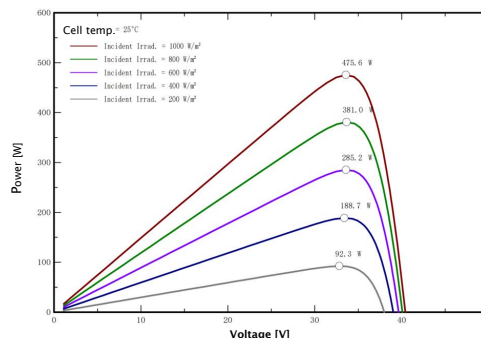
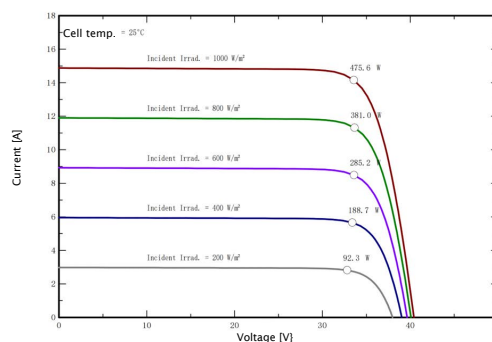
PACKAGING

Modules / Pallet	32 pieces
Modules / Shipping container	832 pieces

DRAWING



DIAGRAMS



Technical data are average values and may vary slightly.
Measuring tolerance of the nominal power depending on the measuring apparatus +/-3 % and other values +/-10 %