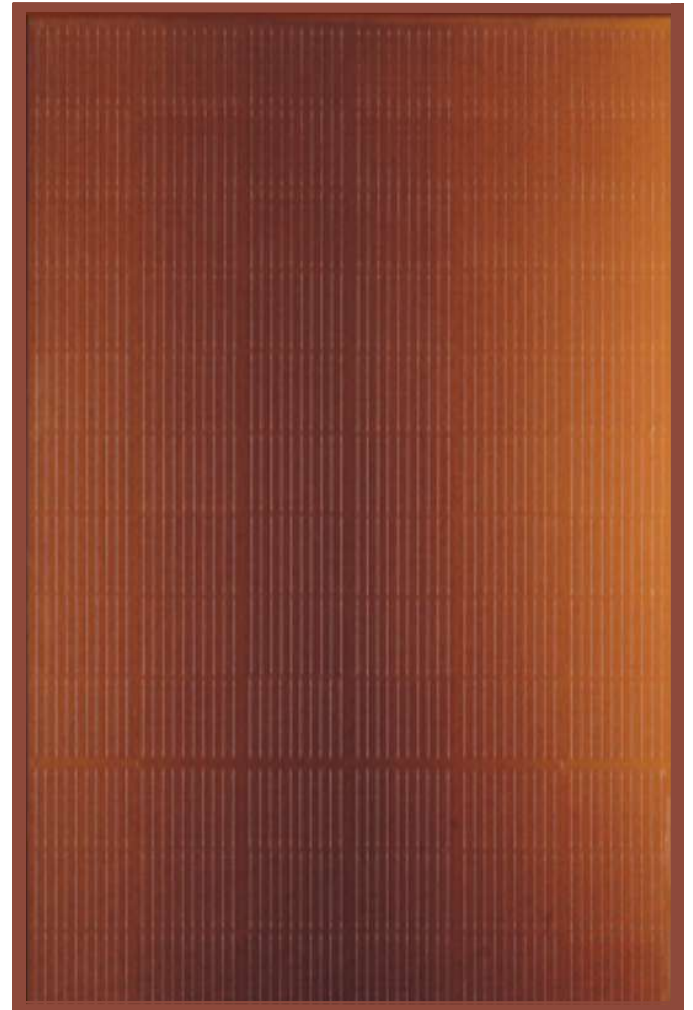


SolarRoof Standard glass/glass bifacial N-Type 415 W - v2 terracotta



- Powerful because of TOPCon cell technology
- High module efficiency up to 20,77 %
- 3,2 + 2 mm solar glass
- Original EVO2A MC4-connector
- Mechanical load capacity of 8000 Pa
- Full cost coverage in the event of a warranty claim



Linear performance guarantee of 30 years



German guarantor



stand 06/2026

ELECTRICAL DATA @ STC

Rated power P _{mpp} / W _p	415
Voltage open circuit U _{oc} / V	34,85
Short circuit current I _{sc} / A	15,46
Rated voltage U _{mpp} / V	28,64
Rated 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} / W _p	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	1762 x 1134 x 30 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

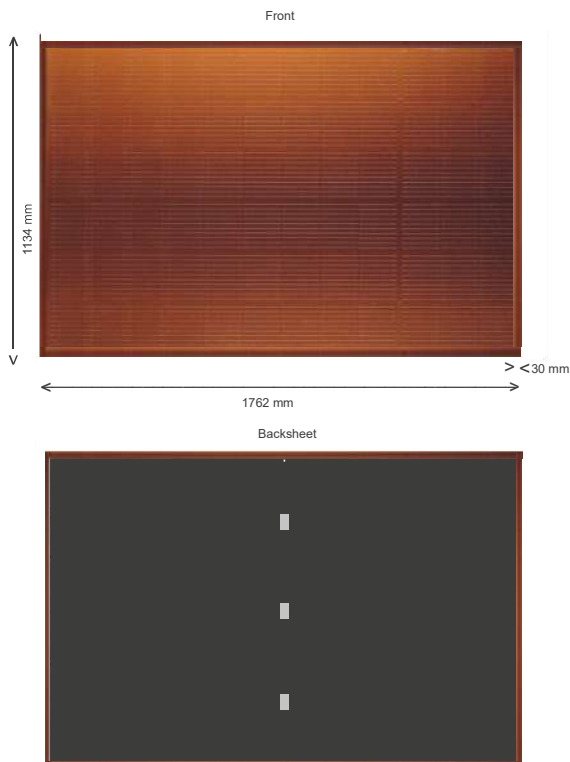
TEMPERATURE COEFFICIENTS

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

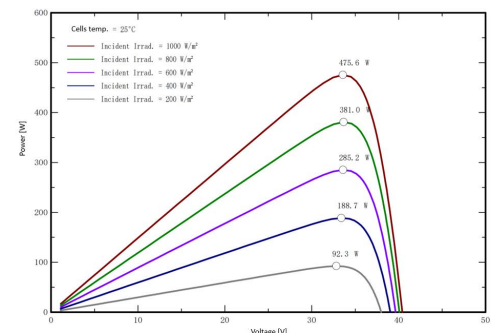
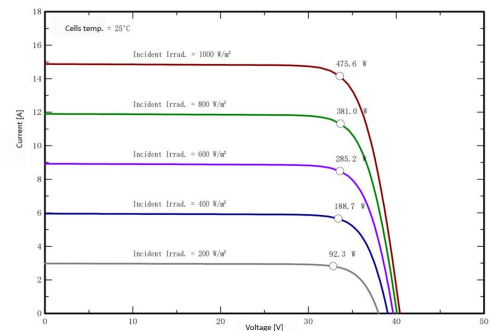
PACKAGING

Modules / Pallet	37 pieces
Modules / Shipping container	814 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 %