



Play it safe



Glass-glass modules

Vision Modules
MADE IN GERMANY

Vision 60 poly
Vision 60 poly | black frame
Vision 60 poly black

240 W ▪ 245 W ▪ 250 W ▪ 255 W ▪ 260 W

- Highly resistant to mechanical loading and environmental influences
- Special protection of the cell against tensile and pressure loads
- 20-year product warranty
- 30-year linear performance warranty



Identical to the „S-Class Vision“ module as produced by former Centrosolar Sonnenstromfabrik GmbH until July 2014.

Vision 60

poly, poly | black frame, poly black

Electrical data under STC (Standard Test Conditions: 1000 W/m², 25 °C, AM 1.5)

Rated power	P _{MPP}	240 W	245 W	250 W	255 W	260 W
Sorting limits of performance		0/+5 W	0/+5 W	0/+5 W	0/+5 W	0/+5 W
Voltage	U _{MPP}	29.4 V	29.55 V	29.73 V	29.87 V	30.06 V
Open circuit voltage	U _{OC}	37.32 V	37.49 V	37.62 V	37.69 V	37.79 V
Current	I _{MPP}	8.17 A	8.30 A	8.41 A	8.54 A	8.65 A
Short-circuit current	I _{SC}	8.72 A	8.83 A	8.91 A	8.99 A	9.07 A
Efficiency		14.6 %	14.8 %	15.1 %	15.4 %	15.7 %

Measurement tolerances STC: +/- 3% (P_{MPP}); +/- 10% (I_{SC}, U_{OC}, I_{MPP}, U_{MPP})

Electrical data at 800 W/m², NOCT (46°C +/- 2K), AM 1.5

Power in MPP	P _{MPP}	180 W	184 W	187 W	191 W	195 W
Voltage	U _{MPP}	27.60 V	27.74 V	27.91 V	28.03 V	28.19 V
Open circuit voltage	U _{OC}	35.12 V	35.28 V	35.39 V	35.44 V	35.53 V
Current	I _{MPP}	6.51 A	6.61 A	6.70 A	6.81 A	6.90 A
Short-circuit current	I _{SC}	7.02 A	7.11 A	7.17 A	7.23 A	7.30 A

The efficiency decreases by approximately 3% compared to the efficiency under STC at an irradiation of 200 W/m² and 25 °C.

Temperature data

Power temperature coefficient	T _K (P _{MPP})	-0.43 %/K
Voltage temperature coefficient	T _K (U _{OC})	-0.35 %/K
Current temperature coefficient	T _K (I _{SC})	0.03 %/K

Further information

Number of cells	60
Max. system voltage	1000 V
Reverse current loading capability	15 A
Front cover	Special hardened low-iron glass with anti-reflex coating 2 mm
Back cover	poly, poly black frame poly black Special hardened transparent glass 2 mm Special hardened black glass 2 mm
Module connection	Junction box 3 bypass diodes IP 65 no potting, 2 x approx. 1 m solar cable Ø 4 mm ² , plug connector KSK4 IP 65
Snow load*	Up to 6600 Pa $\hat{=}$ 550 kg/m ²

20-year product warranty, 30-year linear performance warranty according to our additional warranty conditions for solar power modules of the "Vision" product series, which we will gladly send you

Subject to technical modifications with corresponding follow-up certifications. Errors excepted.

Slight colour variation of modules is possible due to specific conditions in production.

*Load tested according to EN IEC 61215 (ed. 2) In compliance with the installation and operating manual.

Certifications

EN IEC 61215 (ed. 2)¹

EN IEC 61730-1,-2¹

DIN EN 13501-1¹

DIN EN ISO 11925-2¹

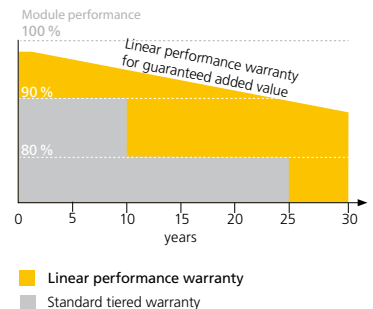
Protection class II

Directive 2006/95/EG (CE)

¹Subject to follow-up certifications.



- Qualified, EN IEC 61215 (ed. 2)
- Safety tested, EN IEC 61730-1,-2
- Periodic inspection

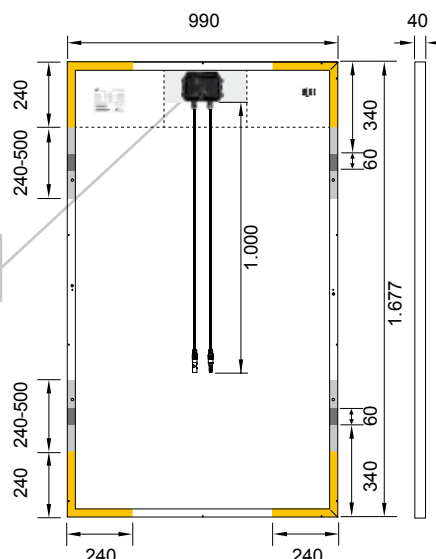


Vision 60 poly
Vision 60 poly | black frame
Vision 60 poly black
Weight: approx. 22,5 kg

No contact between junction box and mounting profile permitted in this area

Clamping areas:

- Approved up to 2400 Pa
- Approved up to 5400 Pa
- Approved up to 6600 Pa



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