

Play it safe



Professional Modules
MADE IN GERMANY

Professional 60 mono Professional 60 mono black

245 W ▪ 250 W ▪ 255 W ▪ 260 W ▪ 265 W

- Salt mist resistance
- Ammonia resistance
- Frame height 40 mm
- 10-year product warranty
- 25-year linear performance warranty



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

Professional 60 mono

Professional 60 mono black

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

Rated power	P _{MPP}	245 W	250 W	255 W	260 W	265 W
Sorting limits of performance		0/+5 W				
Voltage	U _{MPP}	29.98 V	30.17 V	30.48 V	30.73 V	31.01 V
Open circuit voltage	U _{OC}	37.43 V	37.57 V	37.69 V	37.75 V	37.84 V
Current	I _{MPP}	8.18 A	8.30 A	8.37 A	8.47 A	8.55 A
Short-circuit current	I _{SC}	8.72 A	8.83 A	8.90 A	8.97 A	9.04 A
Efficiency		14.9 %	15.2 %	15.5 %	15.8 %	16.1 %

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}	182.95 W	186.79 W	190.10 W	193.84 W	197.29 W
Voltage	U _{MPP}	28.08 V	28.24 V	28.50 V	28.71 V	28.95 V
Open circuit voltage	U _{OC}	35.22 V	35.35 V	35.47 V	35.52 V	35.60 V
Current	I _{MPP}	6.52 A	6.61 A	6.67 A	6.75 A	6.82 A
Short-circuit current	I _{SC}	7.02 A	7.11 A	7.16 A	7.22 A	7.27 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})	-0.42 %/K
Voltage temperature coefficient	T _K (U _{OC})	-0.33 %/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; Glare reduced to a minimum
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 5400 Pa $\hat{=}$ 550 kg/m ²

10-year product warranty, 25-year linear performance warranty according to our additional warranty conditions for solar power modules of the „Professional“ 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

IEC 61701¹

IEC 62716¹

Protection class II

Directive 2006/95/EG (CE)

MCS

¹Subject to follow-up certifications.



- Qualified, EN IEC 61215 (ed. 2)
- Safety tested, EN IEC 61730-1,-2
- Salt mist resistance tested, IEC 61701
- Ammonia resistance tested, IEC 62716
- Periodic inspection



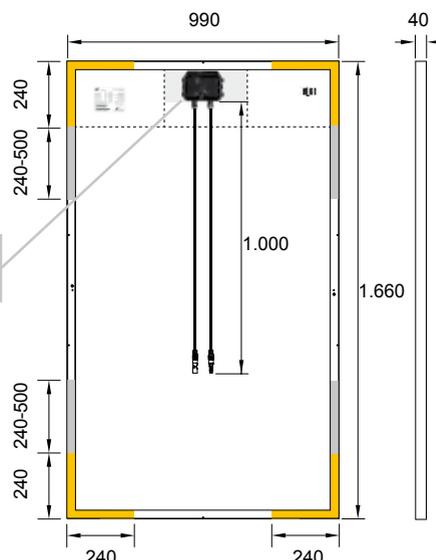
- Linear performance warranty
- Standard tiered warranty

Professional 60 mono
Professional 60 mono black
Weight: approx. 19,5 kg

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

Clamping areas:

- Approved up to 2,400 Pa
- Approved up to 5,400 Pa



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