



Play it safe



**Next
Generation**

Premium Modules
MADE IN GERMANY

Premium XM mono

205 W • 210 W • 215 W • 220 W

- Plus-sorted
- Improved innoframe stability
- 12-year product warranty
25-year linear performance warranty
- Guaranteed high yields for decades



Premium XM mono

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

Rated power	P_{max}	205 W	210 W	215 W	220 W
Sorting limits of performance		0/+5 W	0/+5 W	0/+5 W	0/+5 W
Voltage	U_{MPP}	24.42 V	24.60 V	24.80 V	25.00 V
Open circuit voltage	U_{OC}	30.30 V	30.44 V	30.62 V	30.80 V
Current	I_{MPP}	8.40 A	8.55 A	8.70 A	8.80 A
Short-circuit current	I_{SC}	8.90 A	9.10 A	9.40 A	9.50 A
Efficiency		15.2 %	15.6 %	15.9 %	16.3 %

Electrical data at 800 W/m², NOCT (45°C +/- 2K), AM 1.5

Power in MPP	P_{max}	156 W	160 W	164 W	167 W
Voltage	U_{MPP}	23.02 V	23.19 V	23.38 V	23.57 V
Open circuit voltage	U_{OC}	28.04 V	28.17 V	28.33 V	28.50 V
Current	I_{MPP}	6.77 A	6.89 A	7.01 A	7.10 A
Short-circuit current	I_{SC}	7.17 A	7.34 A	7.58 A	7.66 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	$T_K(P_{MPP})$	-0.47 %/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	48
Max. system voltage	1000 V
Reverse current loading capability	17 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 67 no potting, 2 x approx. 1 m solar cable Ø 4 mm ² , plug connector PV4 IP 68
Snow load*	innoframe framed: 5400 Pa $\hat{=}$ 550 kg/m ²

12-year product warranty, 25-year linear performance warranty according to our additional warranty conditions for solar power modules of the "Premium" product series, which we will gladly send you

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

*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

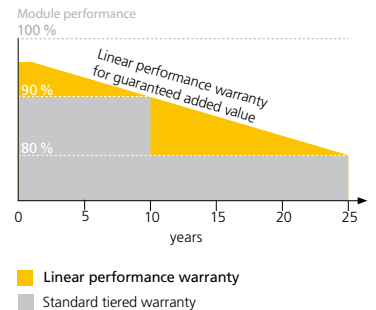
EN 13501-1, class E

Protection class II

Directive 2006/95/EG (CE)

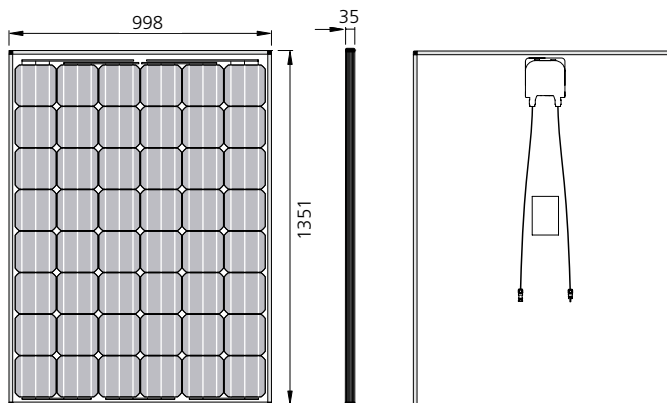
Hail protection class 3

¹Subject to follow-up certifications.



Premium XM mono

Weight:
approx. ca. 15 kg



Note:
Ensure correct polarity!

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