

Premium Modules
MADE IN GERMANY



20 Years
product warranty

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Premium L mono Premium L mono black

270 W • 275 W • 280 W • 285 W • 290 W • 295 W • 300 W

- Guaranteed high yields for decades
- Premium L: Improved innoframe stability



Premium L mono / Premium L mono black

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

Rated power	P _{max}	270 W	275 W	280 W	285 W	290 W	295 W	300 W
Sorting limits of performance		0/+5 W	0/+5 W	0/+5 W	0/+5 W	0/+5 W	0/+5 W	0/+5 W
Voltage	U _{MPP}	31,05 V	31,25 V	31,45 V	31,65 V	31,72 V	32,04 V	32,24 V
Open circuit voltage	U _{OC}	38,30 V	38,50 V	38,60 V	38,80 V	39,39 V	39,59 V	39,79 V
Current	I _{MPP}	8,70 A	8,80 A	9,00 A	9,1 A	9,19 A	9,22 A	9,25 A
Short-circuit current	I _{SC}	9,40 A	9,50 A	9,60 A	9,70 A	9,77 A	9,82 A	9,87 A
Efficiency		16,2 %	16,5 %	16,8 %	17,1 %	17,4 %	17,7 %	18,0 %

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

Power in MPP	P _{max}	205 W	208 W	212 W	216 W	220 W	223 W	226 W
Voltage	U _{MPP}	29,12 V	29,31 V	29,50 V	29,68 V	29,88 V	30,08 V	30,28 V
Open circuit voltage	U _{OC}	35,42 V	35,61 V	35,80 V	35,98 V	36,08 V	36,28 V	36,48 V
Current	I _{MPP}	7,04 A	7,12 A	7,20 A	7,28 A	7,37 A	7,40 A	7,43 A
Short-circuit current	I _{SC}	7,58 A	7,66 A	7,82 A	7,98 A	8,05 A	8,10 A	8,15 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	60
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	TE Solarlok Junction box 3 bypass diodes IP 67 no potting, 2 x approx. 0.95 m solar cable Ø 4 mm ² , plug connector PV4
Snow load*	Premium L mono innoframe framed: 5400 Pa $\hat{=}$ 550 kg/m ²

20-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. Illustration similar.

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

Packaging Specifications

Truck	
Dimension palette (L / W / H)	120 / 106 / 190 cm
Weight pallet	approx. 538 kg
Modules per pallet	28
Shipment	
Dimension pallet (L / W / H)	120 / 106 / 190 cm
Weight pallet	approx. 610 kg
Modules per 20' container	336
Modules per 40' container	672

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)

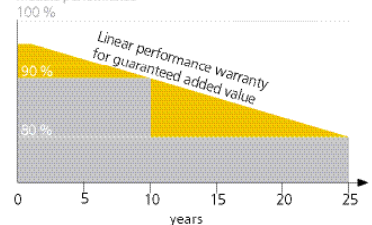
TÜVdotCOM (SOLRIF[®]-frame)

Hail protection class 3

¹Subject to follow-up certifications.



Module performance



■ Linear performance warranty
■ Standard tiered warranty

Your specialist dealer:

SF Solar Fabrik GmbH

Im Gewerbegebiet 12

63831 Wiesen

Germany

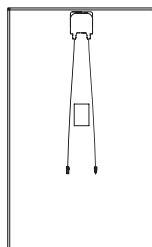
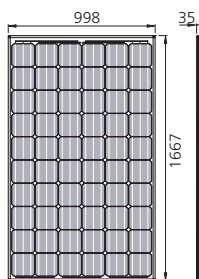
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Premium L mono
Weight:
approx. 18,5 kg



Note: Ensure correct polarity!