

Play it safe



**Next  
Generation**

Premium modules  
MADE IN GERMANY

## Premium L mono black

245 W ▪ 250 W ▪ 255 W

- Plus-sorted
- Improved frame stability
- Elegant black module for aesthetically demanding projects
- 12-year product warranty
- 25-year **linear** performance warranty
- Guaranteed high yields for decades



# Premium L mono black

## Electrical data under STC (Standard Test Conditions: 1000 W/m<sup>2</sup>, 25 °C, AM 1.5)

Rated power	$P_{max}$	245 W	250 W	255 W
Sorting limits of performance		0/+5 W	0/+5 W	0/+5 W
Voltage	$U_{MPP}$	31.00 V	31.25 V	31.50 V
Open circuit voltage	$U_{OC}$	37.70 V	37.80 V	37.90 V
Current	$I_{MPP}$	7.90 A	8.00 A	8.10 A
Short-circuit current	$I_{SC}$	8.67 A	8.70 A	8.80 A
Efficiency		14.7%	15.0%	15.3%

## Electrical data at 800 W/m<sup>2</sup>, NOCT (47°C +/- 2K), AM 1.5

Power in MPP	$P_{max}$	185 W	189 W	193 W
Voltage	$U_{MPP}$	29.02 V	29.25 V	29.49 V
Open circuit voltage	$U_{OC}$	34.54 V	34.73V	34.82 V
Current	$I_{MPP}$	6.37 A	6.45 A	6.53 A
Short-circuit current	$I_{SC}$	6.99 A	7.02 A	7.10 A

The efficiency decreases by approximately 3% compared to the efficiency under STC at an irradiation of 200 W/m<sup>2</sup> 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	Connection box with 3 bypass diodes, 2 x approx. 1.2 m solar cable, Ø 4 mm <sup>2</sup> , plug connector IP 68 Lumberg LC4
Snow load* Load tested according to EN IEC 61215 (ed. 2)	5400 Pa $\hat{=}$ 550 kg/m <sup>2</sup>

\* In compliance with the installation and operating manual.

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.

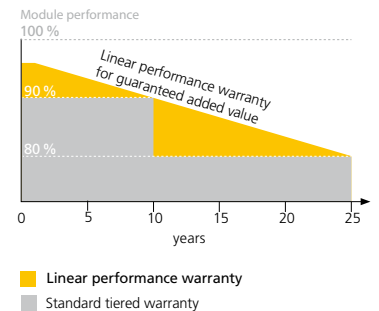
Subject to technical modifications with corresponding follow-up certifications.

## Certifications

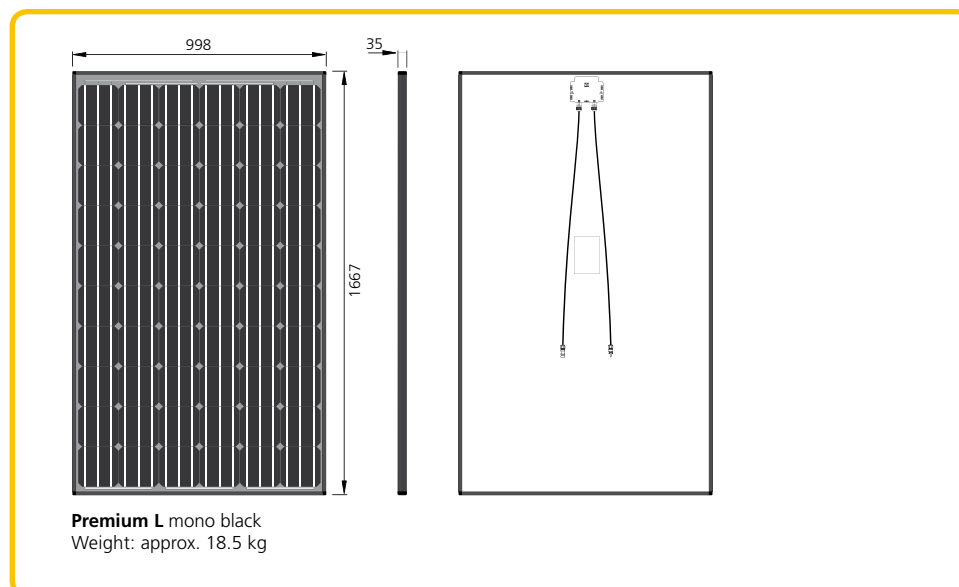
EN IEC 61215 (ed. 2)  
EN IEC 61730-1, -2  
Protection class II  
Directive 2006/95/EG (CE)  
MCS



The innovative fastening technology with innoframe clamps.



■ Linear performance warranty  
■ Standard tiered warranty



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