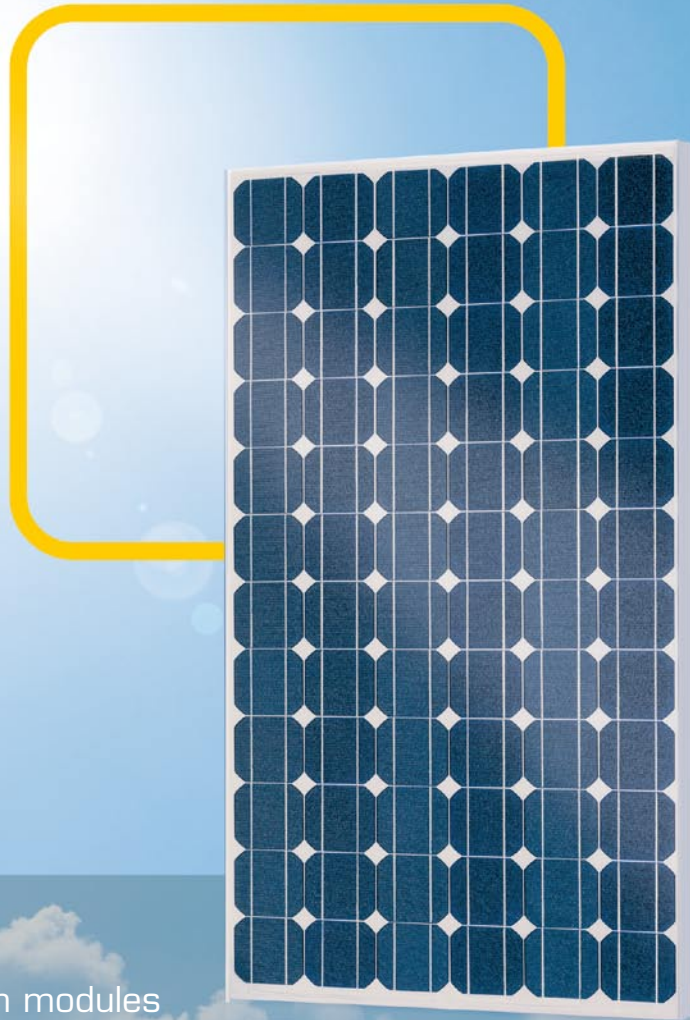


Play it safe



Premium modules  
MADE IN GERMANY

12-year  
product warranty

**NEW**

## Premium M mono

170 W • 175 W • 180 W • 185 W

- Guaranteed high yields for decades
- 12-year product warranty  
25-year performance warranty
- Certified production with state-of-the-art technology

# Premium M mono

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

Rated power	$P_{max}$	170 W	175 W	180 W	185 W
Sorting limits of performance		+/- 2.5 W	+/- 2.5 W	+/- 2.5 W	+/- 2.5 W
Voltage	$U_{MPP}$	36.50 V	36.70 V	36.80 V	36.95 V
Open circuit voltage	$U_{OC}$	44.60 V	44.70 V	44.80 V	44.90 V
Current	$I_{MPP}$	4.67 A	4.75 A	4.90 A	5.00 A
Short-circuit current	$I_{SC}$	5.12 A	5.26 A	5.30 A	5.35 A
Efficiency		13.3 %	13.7 %	14.1 %	14.5 %

## Electrical data at 800 W/m<sup>2</sup>, NOCT (46 °C +/- 2K), AM 1.5

Power in MPP	$P_{max}$	125 W	128 W	133 W	136 W
Voltage	$U_{MPP}$	33.36 V	33.55 V	33.64 V	33.77 V
Open circuit voltage	$U_{OC}$	40,90 V	41.00 V	41.10 V	41.20 V
Current	$I_{MPP}$	3.76 A	3.83 A	3.95 A	4.03 A
Short-circuit current	$I_{SC}$	4.12 A	4.24 A	4.27 A	4.31 A

The efficiency decreases by approximately 3.5% 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	$T_K(U_{OC})$	-154 mV/K
Current temperature coefficient	$T_K(I_{SC})$	1.00 mA/K

## Further information

Number of cells	72
Max. system voltage	1000 V
Reverse current loading capability	15 A
Front cover	Special hardened low-iron glass
Module connection	Connection box with 3 bypass diodes, 2.0 m solar cable Ø 4 mm <sup>2</sup> , plug connector IP 68 Lumberg LC3, socket at the connection box
Snow load* Load tested according to EN IEC 61215 (ed. 2)	Framed: 5400 Pa $\hat{=}$ 550 kg/m <sup>2</sup>

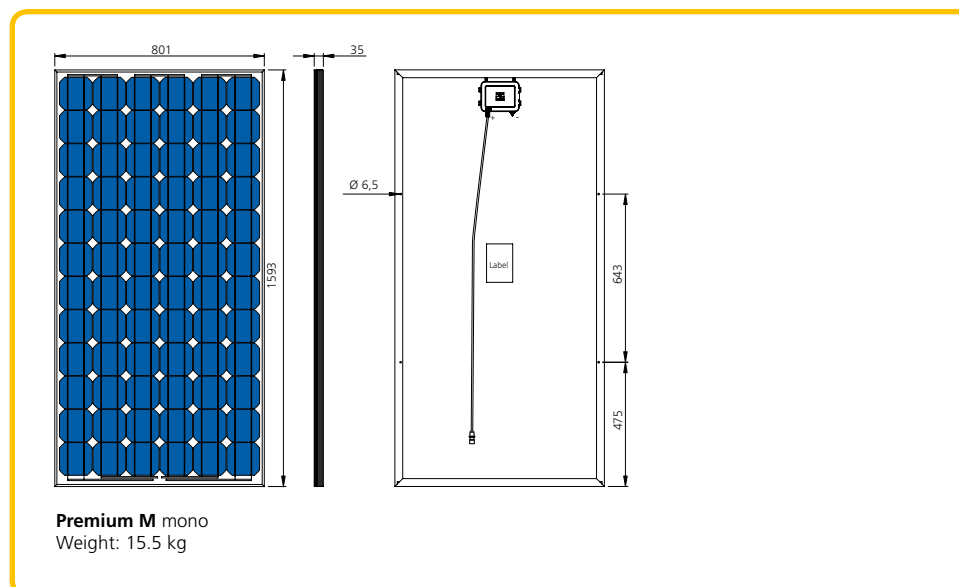
\* In combination with our patented Profilink mounting system and in compliance with the installation and operating manual.

12-year product warranty, 25-year performance warranty on solar power modules according to our additional warranty conditions, 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)	
MSC	pending



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