

Play it safe



Pro modules

Illustration only

## Pro M3 mono/Pro M3 mono black

195 W • 200 W • 205 W • 210 W • 215 W\*

- Guaranteed high yields
- Using PID-free components
- 10-year product warranty  
25-year performance warranty
- Manufactured according to premium quality standards

\* Only available as Pro M3 mono

# Pro M3 mono / Pro M3 mono black

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

Type		195/SI	200/SI	205/SI	210/SI	215/SI
Rated power	$P_{max}$	195 W	200 W	205 W	210 W	215 W*
Sorting limits of performance		0/+5 W	0/+5 W	0/+5 W	0/+5 W	0/+5 W
Voltage	$U_{MPP}$	36.66 V	37.11 V	37.35 V	37.73 V	38.06 V
Open circuit voltage	$U_{OC}$	45.56 V	45.69 V	45.92 V	46.09 V	46.15 V
Current	$I_{MPP}$	5.32 A	5.39 A	5.49 A	5.57 A	5.65 A
Short-circuit current	$I_{SC}$	5.60 A	5.69 A	5.74 A	5.79 A	5.82 A
Efficiency		15.3%	15.7%	16.1%	16.5%	16.9%

\*Only available as Pro M3 mono

## Electrical data at 800 W/m<sup>2</sup>, NOCT (45 °C +/- 2K), AM 1.5

Power in MPP	$P_{max}$	146 W	150 W	154 W	158 W	162 W
Voltage	$U_{MPP}$	34.21 V	34.63 V	34.86 V	35.21 V	35.52 V
Open circuit voltage	$U_{OC}$	41.89 V	42.01 V	42.22 V	42.38 V	42.43 V
Current	$I_{MPP}$	4.28 A	4.34 A	4.42 A	4.48 A	4.55 A
Short-circuit current	$I_{SC}$	4.51 A	4.58 A	4.62 A	4.66 A	4.69 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	$T_K(P_{MPP})$	-0.43 %/K
Voltage temperature coefficient	$T_K(U_{OC})$	-0.34 %/K
Current temperature coefficient	$T_K(I_{SC})$	0.05 %/K

## Further information

Number of cells	72
Max. system voltage	1000 V
Reverse current loading capability	10 A
Front cover	Special hardened low-iron glass with anti-reflex coating
Module connection	Junction box with 3 bypass diodes, 2 x approx. 0,9 m solar cable, Ø 4 mm <sup>2</sup> , connectors: similar to MC4
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.

10-year product warranty, 25-year performance warranty according to our additional warranty conditions for solar power modules of the "Pro" product series, which we will gladly send you. Performance warranty 10 years 90%, 25 years 80%.

Subject to technical modifications with corresponding follow-up certifications.

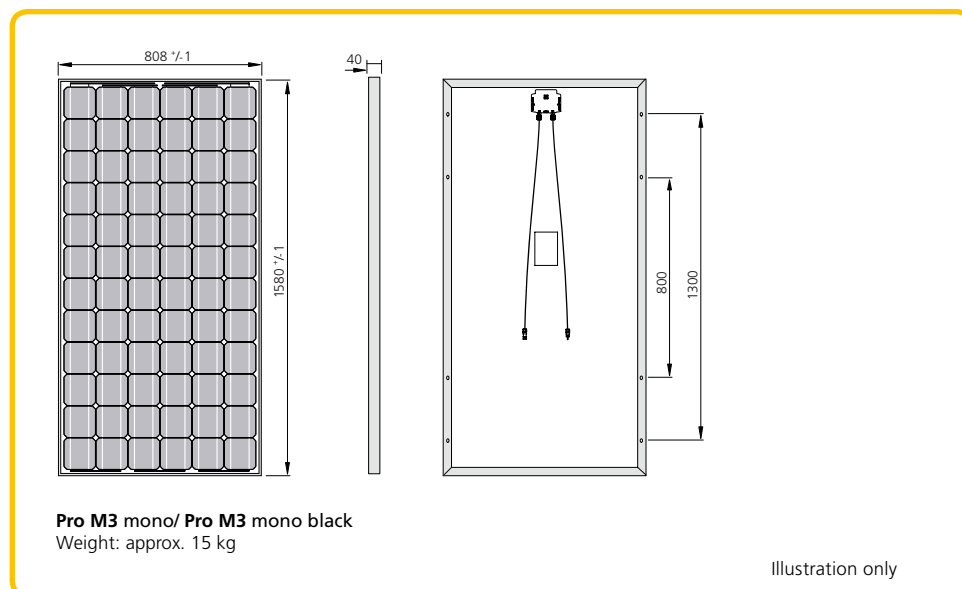
## Certifications

EN IEC 61215 (ed. 2)

EN IEC 61730-1, -2

Protection class II

Directive 2006/95/EC (CE)



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