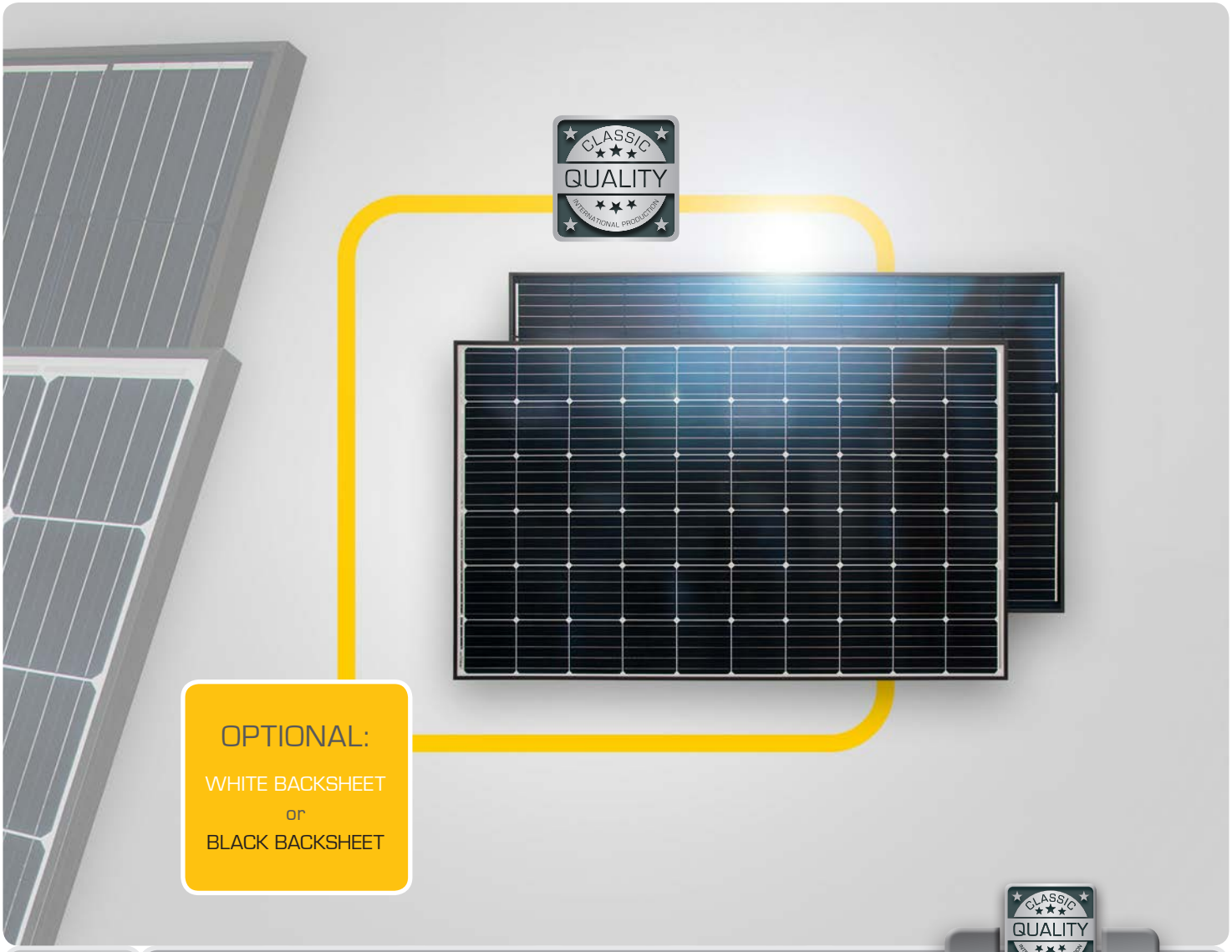
solar fabrik

Solar Modules
MONOCRYSTALLINE



OPTIONAL:

WHITE BACKSHEET

or

BLACK BACKSHEET

M Series

300 W ▪ 305 W ▪ 310 W ▪ 315 W

- **High efficiency, high safety, high reliability**
- **Highly transparent self-cleaning glass**
- **Resistant to environmental influences: Passed salt mist & ammonia test**
- **5-busbar-technology**
- **German warranty**

CLASSIC QUALITY INTERNATIONAL PRODUCTION

Product warranty **12 YEARS** Performance warranty **25**

M Series

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

Rated power	P_{max}	300 W	305 W	310 W	315 W
Sorting limits of performance		0/+5 W	0/+5 W	0/+5 W	0/+5 W
Voltage	U_{MPP}	32.23 V	32.42 V	32.67 V	32.89 V
Open circuit voltage	U_{OC}	39.65 V	39.86 V	40.08 V	40.30 V
Current	I_{MPP}	9.31 A	9.41 A	9.49 A	9.58 A
Short-circuit current	I_{SC}	9.84 A	9.93 A	10.01 A	10.09 A
Efficiency		18.37 %	18.67 %	18.97 %	19.28 %

Temperature data

Power temperature coefficient	$T_K(P_{MPP})$	-0.40 %/K
Voltage temperature coefficient	$T_K(U_{OC})$	-0.325 %/K
Current temperature coefficient	$T_K(I_{SC})$	0.04 %/K

Further information

Number of cells	60 monocrystalline cells
Max. system voltage	1000 V
Reverse current loading capability	15 A
Front cover	3.2 mm (0.13 inches) tempered glass
Weight	18.6 kg
Module connection	Junction Box protection class Ip67 4.0 mm², cable length approx.: 900 mm, MC4 compatible
Snow load	5400 Pa ≙ 550 kg/m²

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

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

Packaging Specifications

Truck

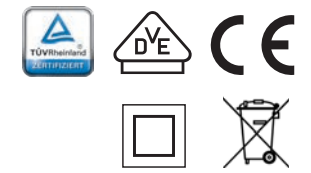
Dimension pallet (L/W/H)	169/112/114 cm
Weight pallet	approx. 603 kg
Modules per pallet	30
Modules per truck	900

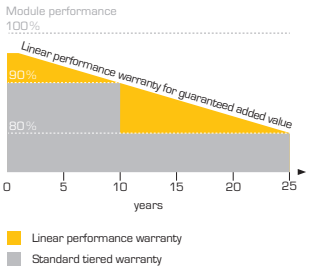
Shipment

Dimension pallet (L/W/H)	169/112/114 cm
Weight pallet	approx. 603 kg
Modules per pallet	30
Modules per container [40' HC]	840

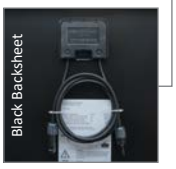
Certifications

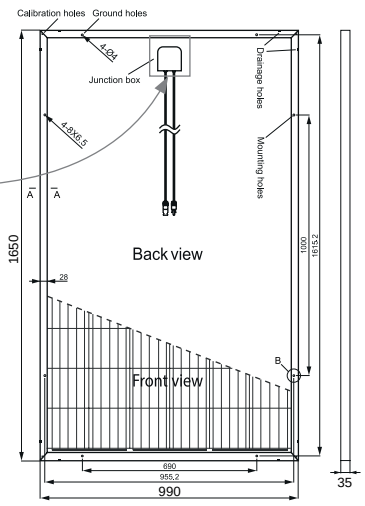
UNI 9177 - class 1 fire behaviour

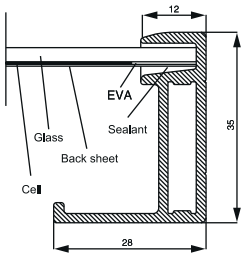




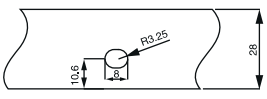
M Series







A - A



B

Note:
Ensure correct polarity!

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