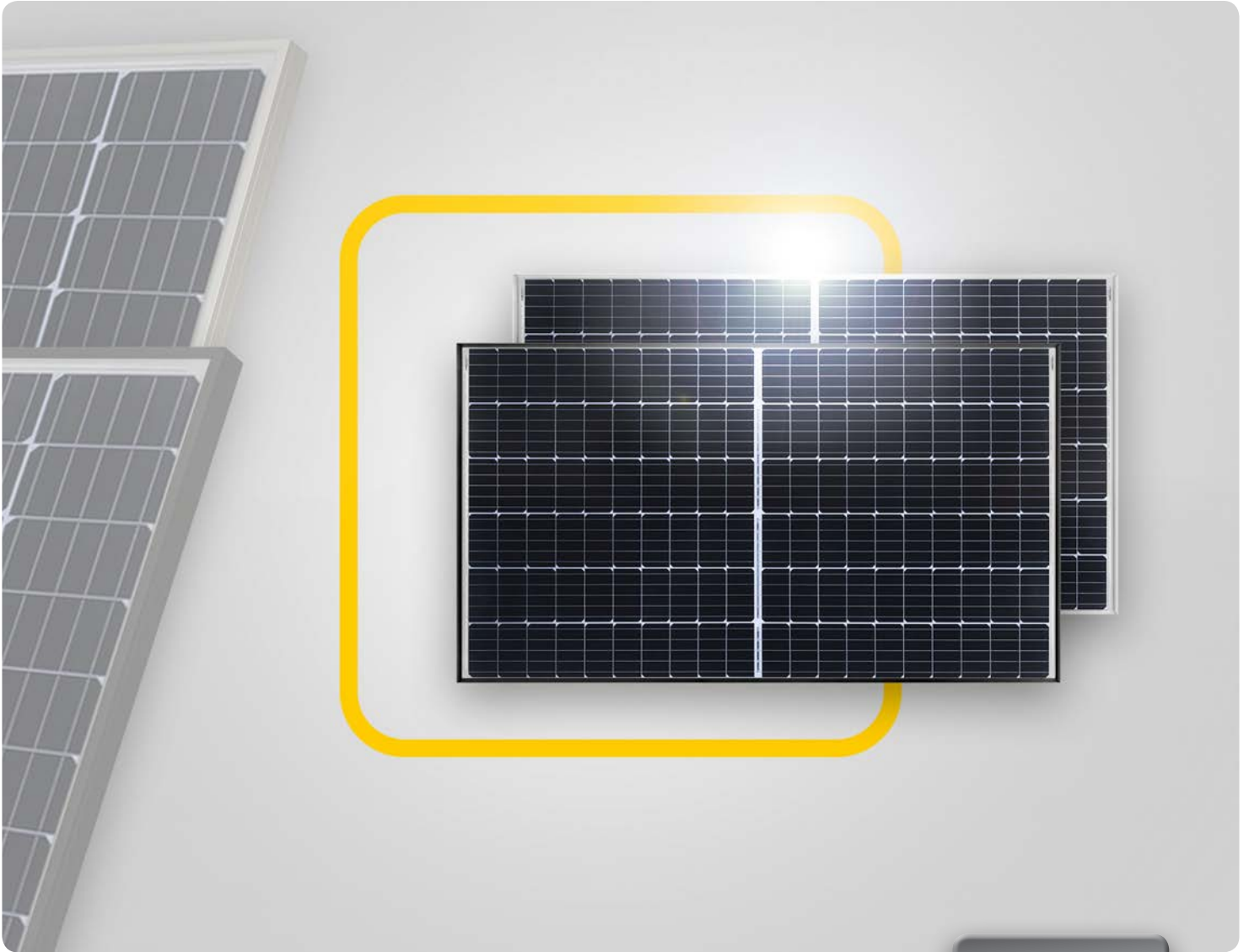




## Solar Modules MONOCRYSTALLINE



### M Series Halfcut

320 W

- Half cell modules
- High efficiency, high safety, high reliability
- High performance under low light conditions
- 5-busbar-technology
- PID Free
- German warranty



# M Series Halfcut

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

Rated power	$P_{max}$	320 W
Sorting limits of performance		0/+3 %
Voltage	$U_{MPP}$	33.83 V
Open circuit voltage	$U_{OC}$	40.80 V
Current	$I_{MPP}$	9.46 A
Short-circuit current	$I_{SC}$	9.94 A
Efficiency		19.30 %

## Temperature data

Operating temperature		- 40° C ~ + 85° C
Operating humidity		5 ~ 85 %
Power temperature coefficient	$T_k(P_{MPP})$	-0,390 %/K
Voltage temperature coefficient	$T_k(U_{OC})$	-0,295 %/K
Current temperature coefficient	$T_k(I_{SC})$	0,039 %/K

## Further information

Number of cells	120 monocrystalline half cells (6 x 20)
Module dimensions	1674 x 990 x 35 mm
Max. system voltage	1000 V
Reverse current loading capability	15 A
Glass thickness	3.2 mm
Weight	18.8 kg
Module connection	MC4 compatible, PV1-F, 4.0 mm <sup>2</sup> , cable length: (+) ≥ 1200 mm, (-) ≥ 1200 mm
Junction box rating	IP67
Allowable Hail Load	25 mm iceball with velocity of 23 m/s

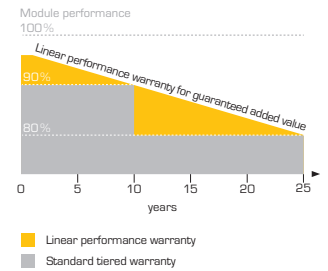
12-year product warranty, 25-year linear performance warranty according to our additional warranty conditions for solar power modules of the "M" product series, which we will gladly send you.

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

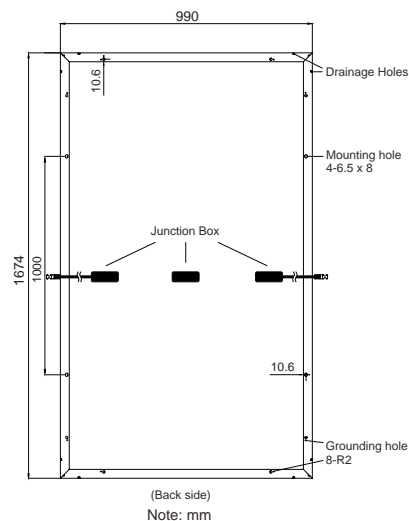
## Packaging Specifications

Truck	
Weight pallet	approx. 585 kg
Modules per pallet	30
Modules per truck	840

Shipment	
Weight pallet	approx. 585 kg
Modules per pallet	30
Modules per container [40' HC]	780



### M Series (half cell module)



**Note:**  
Ensure correct polarity!

Your specialist dealer:

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