

Mono S5 Halfcut | Installer Series

300 W

The new Installer series in a „handy“ format is particularly suitable for angled roof areas with dormers and skylights in existing buildings and for repowering existing systems with classic formats. Double glass module with bifacial monocrystalline P-type/ PERC technology as a half cell.

Especially suitable for:



Residential



Commercial



Half-cell module

Two-part cell for more efficiency, more safety and more reliability



Transparent

Transparent double glass solar module



Glass cover

Resistant to ammonia & salt spray
Highly transparent, self-cleaning glass



Fire protection glass A

Best possible fire protection certification



German warranty

30-year guarantee on the product and
30 years on the module performance



Bifacial cell

Transparent cell with additional energy on the back of the cell



P-Type technology

PERC solar module with P-Type technology for a top price/performance ratio



Area utilisation factor

207 W/m² at 300 W. Better comparability through watt output per square metre



Multibusbar technology

Higher performance, greater reliability and higher (electrical) load capacity



Low-light behaviour

Outstanding performance even under low light conditions

Mono S5 Halfcut | Installer Series

300 W

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

Rated power	P_{max}	300 W
Sorting limits of performance		0/+5 %
Voltage	U_{MPP}	34.44 V
Open circuit voltage	U_{OC}	41.70 V
Current	I_{MPP}	8.71 A
Short-circuit current	I_{SC}	9.27 A
Efficiency		20.70 %

Temperature data

Operating temperature		- 40° C ~ + 85° C
Nominal operating cell temperature		43° C ± 2° C
Power temperature coefficient	$T_K (P_{MPP})$	- 0.350 %/°C
Voltage temperature coefficient	$T_K (U_{OC})$	- 0.280 %/°C
Current temperature coefficient	$T_K (I_{SC})$	0.040 %/°C

Further information

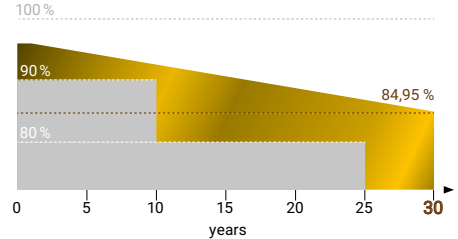
Number of cells	60 bifacial monocrystalline half cells (4 x 15)
Cell Size	210 x 210 mm
Module dimensions	1650 x 880 x 30 mm
Type of Frame	Anodized aluminium alloy
Max. system voltage	1500 V
Reverse current loading capability	15 A
Glass thickness	Frontside/Backside: 2.0 mm/2.0 mm
Weight	approx. 18.5 kg
Module connection	MC4 or similar, 4.0 mm ² , cable length: (+) ≥ 900 mm, (-) ≥ 900 mm
Junction box rating	IP68
Allowable Hail Load	25 mm iceball with velocity of 23 m/s
Snow load	8,100 Pa test (5,400 Pa design: IEC 61215/61730 safety factor 1.5)
Fire class	A according to IEC standard 61730-2 (UL 790, UL 1703)

30-year product warranty, 30-year linear performance warranty according to our additional warranty conditions for solar power modules of the "Mono S5 Halfcut Installer Series 300W" product series, which we will gladly send you. Due to the tolerance of the anti-reflective coating, colour differences in the solar modules may occur. Subject to technical modifications with corresponding follow-up certifications. Errors excepted. Illustration similar.

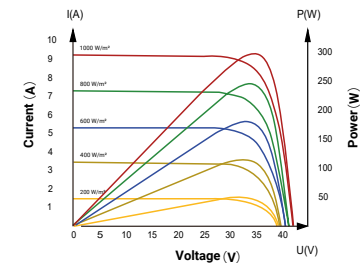
Logistic

Dimension pallet (L/W/H)	175/120/120 cm
Weight pallet	approx. 680 kg
Modules per pallet	36
Modules per truck	1008
Modules per Container [40' HC]	1008

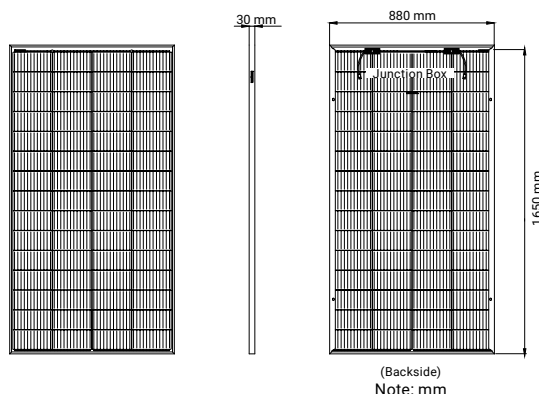
Module Performance



■ Linear performance warranty for Double-Glas Solar Modules
 ■ Standard tiered warranty



MS5 HC V XXX BF-DG (half cell module)



Note:
Ensure correct polarity!

(Backside)
Note: mm

Your specialist dealer:

Solar Fabrik GmbH
 Hermann-Niggemann-Str. 7-9
 63846 Laufach
 Germany

+49 (0)6093 20770-0
 info@solar-fabrik.de
 www.solar-fabrik.de