

Mono S5 Halfcut | Installer Series

315 W

The new Installer series in a „handy“ format is particularly suitable for angled roof surfaces with dormers and skylights in existing buildings and for repowering existing systems with classic formats. Double glass module with bifacial mono-crystalline N-Type/TOPCon half cells.

Especially suitable for:



Residential



Commercial



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



Hail protection class 5
Resistant to ice balls with a maximum diameter of 50 mm and a speed of 32.2 m/s



Fire protection glass A
Best possible fire protection certification for solar modules with German TÜV certificate.



Area utilisation factor
217 W/m² at 315 W. Better comparability through watt output per square metre



Transparent
Transparent double glass solar module



Bifacial cell
Transparent cell with additional energy on the back of the cell



N-type technology
TopCon solar module with N-Type technology for even more peak performance



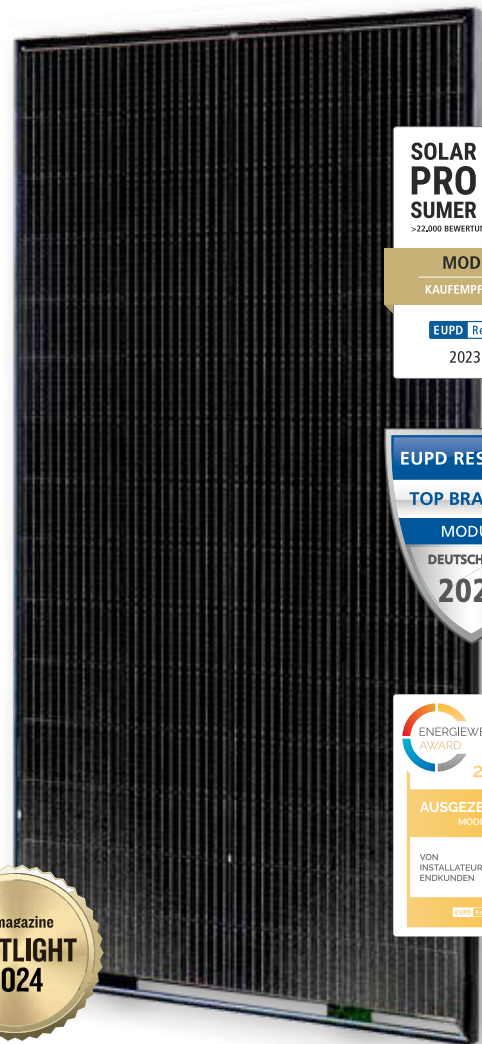
Snow load 8.100 Pa
Mechanical load up to 8100 Pa in the test confirmed by TÜV.



Low-light behaviour
Outstanding performance even under low light conditions



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



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

Rated power	P_{max}	315 W
Sorting limits of performance		0/+5 W
Voltage	U_{MPP}	35.84 V
Open circuit voltage	U_{OC}	42.42 V
Current	I_{MPP}	8.79 A
Short-circuit current	I_{SC}	9.28 A
Efficiency		21.69 %

Temperature data

Operating temperature		- 40° C ~ + 85° C
Nominal operating cell temperature		43° C ± 2° C
Power temperature coefficient	$T_K (P_{MPP})$	- 0.300 %/°C
Voltage temperature coefficient	$T_K (U_{OC})$	- 0.280 %/°C
Current temperature coefficient	$T_K (I_{SC})$	0.040 %/°C

Further information

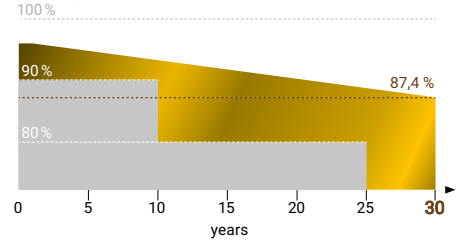
Number of cells	60 bifacial monocrystalline half cells (4 x 15)
Cell size	210 x 210 mm
Module dimensions	1650 x 880 x 30 mm
Type of Frame	black anodized aluminium alloy
Max. system voltage	1500 V
Reverse current loading capability	15 A
Glass thickness	Frontside/Backside: 2.0 mm/2.0 mm
Weight	approx. 17.1 kg
Module connection	MC4 or similar, 4.0 mm ² , cable length: (+) ≥ 1200 mm, (-) ≥ 1200 mm
Junction box rating	IP68
Allowable Hail Load	50 mm iceball with velocity of 32,2 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 315W" 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.

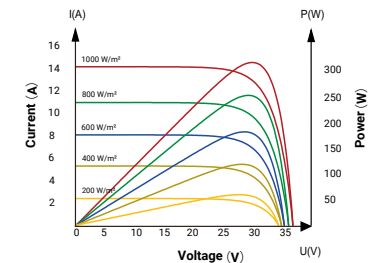
Logistic

Dimension pallet (L/W/H)	170/114/105 cm
Weight pallet	approx. 646 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



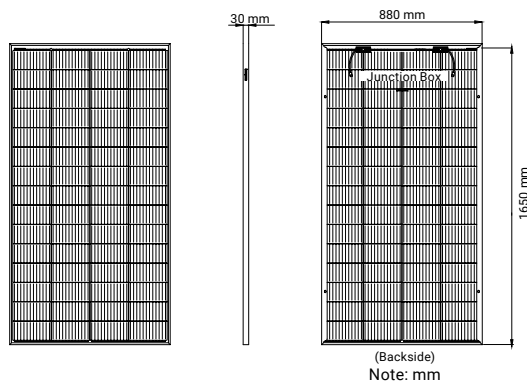
Your specialist dealer:

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

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

Valid as of: 23.04.2024
 MD1001240423

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



Note:
 Ensure correct polarity!
 Data with tolerance ± 1 mm