

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.

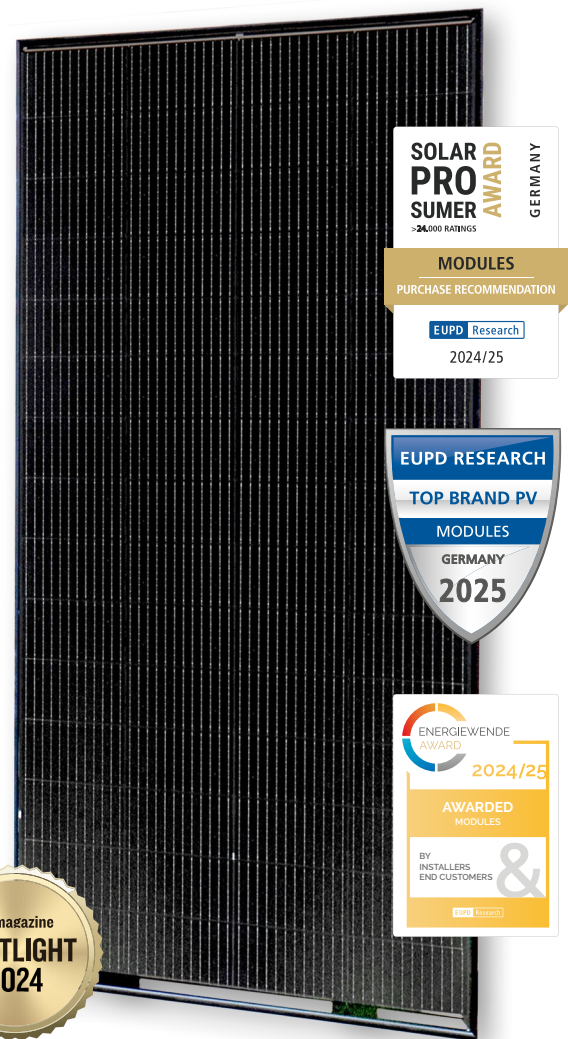
Especially suitable for:



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, Measuring tolerance: ± 3%)

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

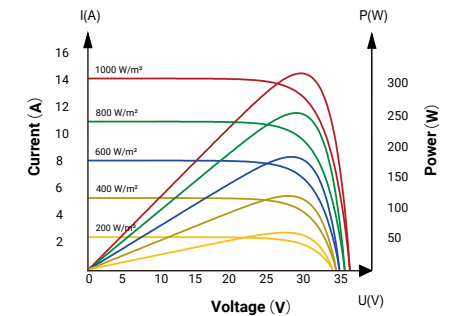
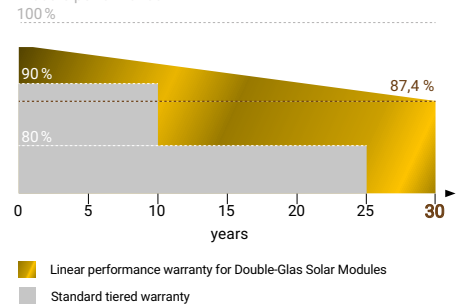
Number of cells	60 bifacial monocrystalline half cells (4 x 15)
Module dimensions	1650 x 880 x 30 mm
Type of Frame	black anodized aluminium alloy
Max. system voltage	1500 V
Reverse current loading capability	15 A
Glass thickness	Frontside/Backside: 2.0 mm/2.0 mm
Weight	approx. 17.1 kg
Module connection	Stäubli MC4 EVO2, 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 315 W" 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 Container [40' HC]	1008

Module performance



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