



Creating a Powerful Future

Mono S5 Halfcut | Installer Series 300 W

The Solar Fabrik Mono S5 Installer Series Module with a max. system voltage of 1500V is a double glass module with bifacial monocrystalline half-cell technology.

- + Half cell modules – High reliability & long life
- + Highly transparent self-cleaning glass
- + Bifacial cells – up to 30% higher energy yield due to transparent reverse side
- + Resistant to environmental influences: Passed salt mist & ammonia test
- + Multibusbar-technology
- + Area utilization 206.61 W/m² at 300 W
- + German warranty



SOLAR PRO SUMER AWARD GERMANY
>22.000 RATINGS

MODULES
PURCHASE RECOMMENDATION

EUPD Research

2022/23

TIER 1
BloombergNEF
Q2/2023

By dividing the cells into two equal parts (halfcut technology), the module achieves a higher output power than a full cell module. The current flow in the cell is halved and thus the power loss is reduced. The optimized cell arrangement significantly improves the low-light performance of the Mono S5 Halfcut Installer series.

Bifacial cells achieve up to 30% higher energy yields due to a transparent back surface. The multibusbar technology enables even higher power outputs, higher reliability as well as higher (electrical) load capacity of the modules.

The smaller format of the Mono S5 Halfcut Installer Series makes it very suitable for angled roof surfaces and for re-powering existing systems.



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

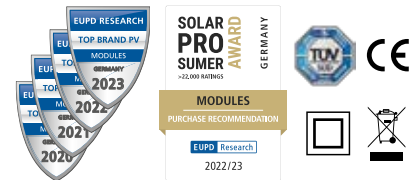
Number of cells	60 bifacial monocrystalline half cells (4 x 15)
Module dimensions	1650 x 880 x 30 mm
Type of Frame	Anodized aluminium alloy
Max. system voltage	1500 V
Reverse current loading capability	15 A
Glass thickness	Frontside/Backside: 2.0 mm/2.0 mm
Weight	approx. 18.5 kg
Module connection	MC4 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	5400 Pa $\hat{=}$ 550 kg/m ²



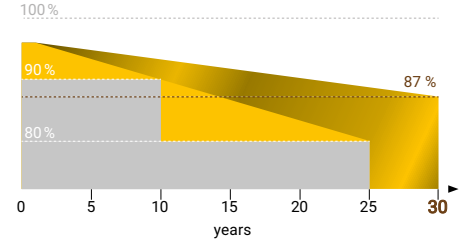
30-year product warranty, 30-year linear performance warranty according to our additional warranty conditions for solar power modules of the "Mono S5" product series, which we will gladly send you. Due to the tolerance of the anti-reflective coating, colour differences in the solar modules may occur.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

Logistic

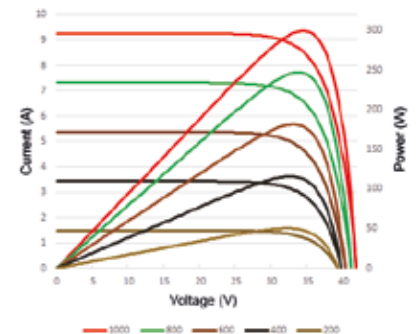
Dimension pallet (L/W/H)	175/120/120 cm
Weight pallet	approx. 680 kg
Modules per pallet	36
Modules per truck	1008
Modules per container [40' HC]	1008



Module performance



- Linear performance warranty for FIRST CLASS Quality Solar Modules
- Linear performance warranty
- 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

Mono S5 Installer Series
(half cell module)

Note:
Ensure correct polarity!