

Mono S4 Halfcut | Chroma Orange

400 W

Bifacial double-glass module with copper-red front glass (RAL 8004), designed for seamless integration into the rooftops of historic old towns while meeting specific architectural and aesthetic requirements.



Especially suitable for:



Historical buildings



German warranty

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



RAL 8004

Copper-red front glass, similar to RAL 8004, for red and terracotta-colored tile roofs



Fire protection glass A

Best possible fire protection certification for solar modules with German TÜV certificate



Hail protection class 4

Resistant to ice balls with a maximum diameter of 40 mm and a speed of 29.2 m/s



Anti-reflective

Matt glass with an anti-reflective coating for improved light output



Double glass (2+2 mm)

Resistant to ammonia and salt spray
Highly transparent and self-cleaning



Bifacial cell

Cell with additional rear-side energy generation via reflection



N-type technology

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



Half-cell module

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



Low-light performance

Excellent performance even in low-light conditions

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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}	400 W
Sorting limits of performance		0/+5 W
Voltage	U_{MPP}	30.48 V
Open circuit voltage	U_{OC}	35.36 V
Current	I_{MPP}	13.13 A
Short-circuit current	I_{SC}	13.60 A
Efficiency		20.02 %

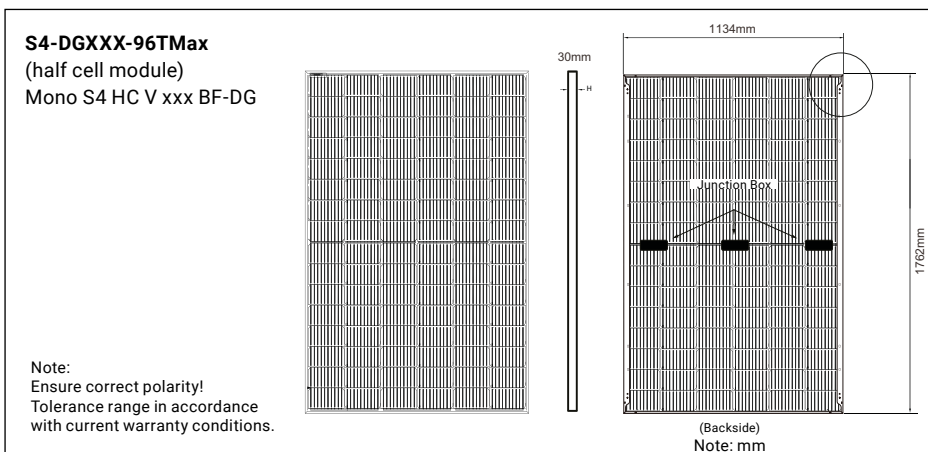
Temperature data

Operating temperature		- 40° C ~ + 85° C
Nominal operating cell temperature		45° C ± 2° C
Power temperature coefficient	$T_K (P_{MPP})$	- 0.290 %/°C
Voltage temperature coefficient	$T_K (U_{OC})$	- 0.250 %/°C
Current temperature coefficient	$T_K (I_{SC})$	0.046 %/°C

Further information

Number of cells	96 N-Type bifacial monocrystalline half cells (6 x 16)
Module dimensions	1762 x 1134 x 30 mm
Type of Frame	Red-brown aluminum frame, similar to RAL 8011
Max. system voltage	1500 V
Reverse current loading capability	30 A
Glass thickness	Front: 2.0 mm, copper-red glass similar to RAL 8004; Back: 2.0 mm
Weight	approx. 24 kg
Module connection	MC4 Stäubli EVO 2, 4.0 mm ² Cable length: ± 1000 mm; optional
Junction box rating	IP68
Hail resistance	Ice balls with a maximum diameter of 40 mm and a velocity of up to 29.2 m/s
Snow load	5400 Pa $\hat{=}$ 550 kg/m ²
Fire class	A according to IEC Standard 61730-2 (UL 790, UL 1703)

30 years product warranty, 30 years linear performance warranty according to our additional warranty conditions for solar power modules of the "Mono S4 Halfcut Chroma Orange" 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.

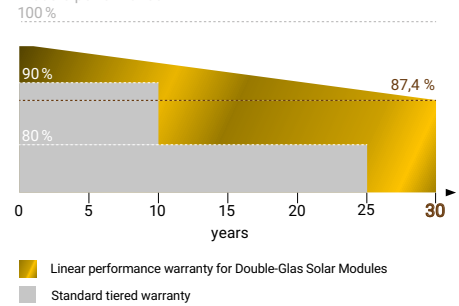


Errors and technical modifications are subject to change, with possible re-certifications. Image may differ.

Logistic

Dimension pallet (L/W/H)	180/114/125 cm
Weight pallet	approx. 890 kg
Modules per pallet	36
Modules per Container [40' HC]	936

Module performance



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

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