

Mono S4 Halfcut | Chroma Orange

420 W

Bifacial double-glass module with copper-red front glass (RAL 8004), enabling colour-coordinated integration on roofs in historic town centres and meeting the requirements of buildings with special aesthetic demands.

Particularly suitable for:



Heritage conservation



German warranty

30-year product warranty and
30-year module performance warranty



RAL 8004

Copper-red front glass similar to RAL 8004, for red and terracotta roof tiles



Fire protection class A

Highest fire protection certification for solar modules, with German TÜV certificate



Anti-reflective coating

Matt glass with an anti-reflective coating for increased light capture



Double glass 2+2 mm

Ammonia and salt mist resistant
Highly transparent and self-cleaning



Bifacial cell

Cell with additional rear-side energy generation through reflection



N-Type technology

TOPCon solar module with N-Type technology for outstanding performance



Half-cell module

Split cells for greater efficiency, safety and 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, measurement tolerance: ± 3%)

Rated power	P_{max}	420 W
Power tolerance		0/+5 W
Voltage	U_{MPP}	29,30 V
Open-circuit voltage	U_{OC}	34,50 V
Current	I_{MPP}	14,33 A
Short-circuit current	I_{SC}	15,82 A
Efficiency		21,02 %

Temperature Data

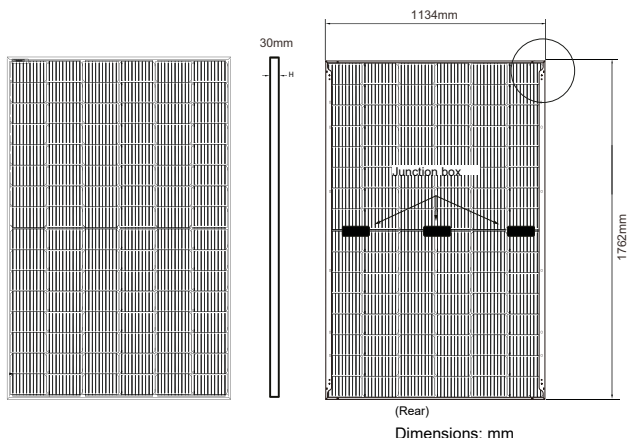
Operating temperature range		- 40° C ~ + 85° C
Nominal operating cell temperature		45° C ± 2° C
Power temperature coefficient	$T_K (P_{MPP})$	- 0,290 %/°C
Voltage temperature coefficient	$T_K (U_{OC})$	- 0,250 %/°C
Current temperature coefficient	$T_K (I_{SC})$	0,046 %/°C

Additional Specifications

Number of cells	96 N-Type bifacial monocrystalline half-cells (6 x 16)
Module dimensions	1762 x 1134 x 30 mm
Module frame	Red-brown aluminium frame similar to RAL 8011
Max. system voltage	1500 V
Reverse current rating	30 A
Glass cover	Front: 2.0 mm, copper-red glass similar to RAL 8004; rear: 2.0 mm
Module weight	Approx. 24 kg
Connection & cable	MC4 Stäubli EVO 2, 4,0 mm ² Cable length: ± 1200 mm; optional
Junction box	IP68
Hail resistance	Ice balls up to 25 mm Ø at speeds of up to 23 m/s
Snow load	5400 Pa ≙ 550 kg/m ²
Fire class	A according to IEC 61730-2 (UL 790, UL 1703)

30-year product warranty and 30-year linear performance warranty under our additional warranty conditions for solar modules in the "Mono S4 Halfcut Chroma" product range, which we will be pleased to send you. Colour differences between solar modules are possible due to tolerances in the anti-reflective coating.

(Half-cell module)
Mono S4 HC V XXX BF-DG



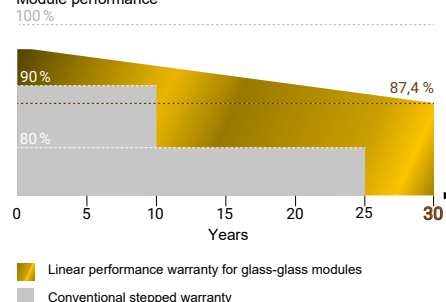
Note:
Observe polarity!
Tolerance range according to
current warranty conditions.

Errors and technical changes, with corresponding recertification where applicable, reserved. Images for illustration only.

Logistics

Pallet size (L/W/H)	180/114/125 cm
Pallet weight	Approx. 890 kg
Modules per pallet	36
Modules per container [40' HC]	936

Module performance



Your specialist dealer:

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