



Creating a Powerful Future

Mono S4 Halfcut BC Series

Full Black, Black & White

475 W – 490 W



Residential



Commercial



Warranty
Product &
Performance



Bifacial cell
Energy generation
on the rear side



Fire class A
Best possible
fire protection



Hail class 4
Ø 40 mm
& 29,2 m/s



Back Contact
Contactless
front



Anti Shading
Bypass diode
at cell level



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Electrical data under STC

(Standard Test Conditions: 1000 W/m², 25 °C, AM 1.5, Measuring tolerance: ± 3%)

BC series module	Full Black		Black		White	
Rated power (P _{max})	475 W	480 W	475 W	480 W	485 W	490 W
Sorting limits of performance	0/+5 W	0/+5 W	0/+5 W	0/+5 W	0/+5 W	0/+5 W
Voltage (U _{MPP})	33.40 V	33.51 V	33.40 V	33.51 V	33.62 V	33.73 V
Open circuit voltage (U _{OC})	40.42 V	40.53 V	40.42 V	40.53 V	40.64 V	40.75 V
Current (I _{MPP})	14.23 A	14.33 A	14.23 A	14.33 A	14.43 A	14.53 A
Short-circuit current (I _{SC})	14.88 A	14.98 A	14.88 A	14.98 A	15.08 A	15.18 A
Efficiency	23.30 %	23.50 %	23.30 %	23.50 %	23.80 %	24.00 %

Further information

Number of cells	108 N-Type bifacial monocrystalline half cells (6 x 18)
Module dimensions	1800 x 1134 x 30 mm
Type of Frame	Black anodized aluminium alloy
Max. system voltage	1500 V
Reverse current loading capability	30 A
Glass thickness	Frontside/Backside: 2.0 mm/2.0 mm
Weight	approx. 25.0 kg
Module connection	MC4 Stäubli EVO 2, 4.0 mm ² Cable length: (+) ≥ 1200 mm, (-) ≥ 1200 mm
Junction box rating	IP68
Allowable Hail Load	40 mm iceball with velocity of 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 BC Full Black" 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.

Temperature data

Operating temperature	- 40° C ~ + 85° C	
Nominal operating cell temperature	45° C ± 2° C	
Power temperature coefficient	T _K (P _{MPP})	- 0.260 %/°C
Voltage temperature coefficient	T _K (U _{OC})	- 0.200 %/°C
Current temperature coefficient	T _K (I _{SC})	0.050 %/°C

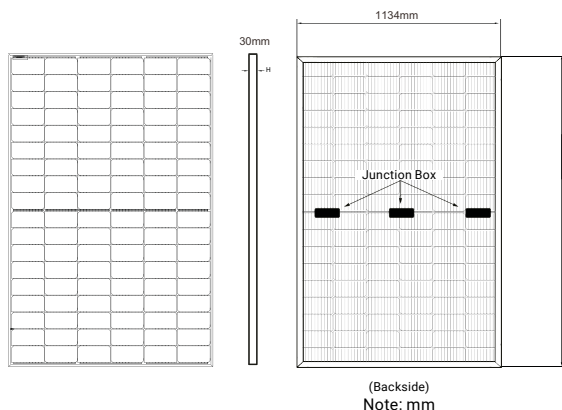
Mono S4 Halfcut BC Full Black
S4-DGXXX-108BC-FB

Mono S4 Halfcut BC Black
S4-DGXXX-108BC-B

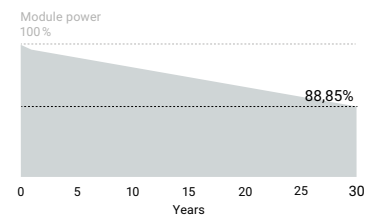
Mono S4 Halfcut BC White
S4-DGXXX-108BC-W

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

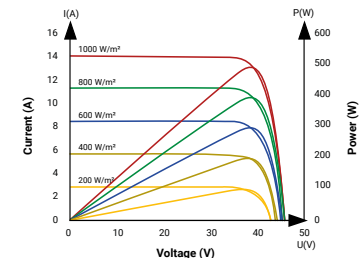
Note:
Ensure correct polarity!
Tolerance range in accordance with current warranty conditions.



Linear power guarantee



Current-voltage curve



Logistic

Dimension pallet (L/W/H)	182/111/125 cm
Weight pallet	approx. 930 kg
Modules per pallet	36
Modules per Container [40' HC]	864



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