

BAUER

Solartechnik GmbH



BS-6MHB5-EL

Monocrystalline solar module 310 - 320 W



PERFORMANCE GUARANTEE

20 years product warranty and a linear performance guarantee over a period of 25 years



CERTIFICATION

Permanent in-house quality control, multiple certifications by accredited inspection bodies



EFFICIENCY

High efficiency for optimum yield - innovations directly influence the production process



POSITIVE POWER TOLERANCE

Exclusive delivery of solar modules with positive power tolerance only



PERC HALF-CELL TECHNOLOGY

Double the amount of cells on the same surface area reduces power loss in case of e.g. shadowing



WEATHERPROOF

Standardized mechanical load test guards against damage from wind and weather



GERMAN GUARANTOR

In case of need it is ensured that a German company assumes the claim settlement



SAFETY

High-quality components ensure maximum protection in all weather conditions



HANDLING

Low storage / transport cost and easy installation thanks to an intelligent packaging concept



PROVEN & GUARANTEED BY
BAUER SOLARTECHNIK

HIGH QUALITY STANDARDS BY GERMAN ENGINEERS

Mechanical Data

Cell type	monocrystalline / PERC half-cells
Cell formation	6 x 20 (120)
Module dimensions	1680 x 990 x 35 mm
Front cover	tempered glass, 3,2 mm
Weight	19,3 kg
Frame material	anodized aluminium alloy
Module back	TPT foil
Embedding material	EVA
Connection	junction box \geq IP 65
Number of diodes	3 x 1 bypass diodes
Cabel / connector	4 mm ² , 900 mm, MC4-compatible

Temperature coefficients

Nom. operating cell temp. (NOCT)	45°C \pm 2
Temperature coefficient of I_{sc}	+0,050 %/K
Temperature coefficient of V_{oc}	-0,290 %/K

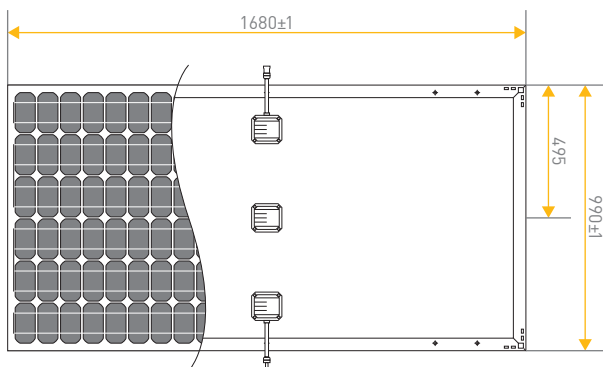
Operational conditions

Maximum system voltage	1000 V DC (TÜV)
Operating temperatur	-40 bis 85°C
Maximum series fuse rating	20 A
Static load (snow/wind)	5400 Pa
Hail	\varnothing 25 mm bei 23 m/s

Electrical data¹

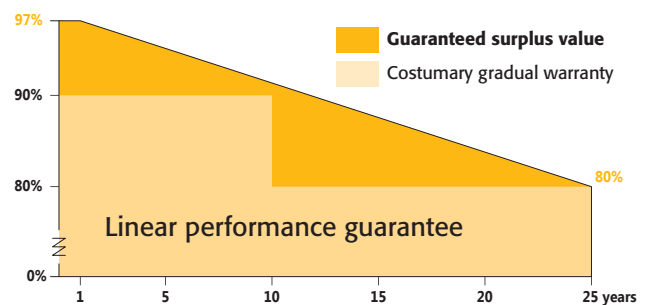
	BS-310-6MHB5-EL	BS-315-6MHB5-EL	BS-320-6MHB5-EL
Nominal maximum power P_{max} (W _p)	310 W	315 W	320 W
Power output tolerance P_{max} (%)	0 ~ +3	0 ~ +3	0 ~ +3
Optimum operating voltage V_{mpp} (V)	32,80	33,10	33,30
Optimum operating current I_{mpp} (A)	9,46	9,52	9,61
Short circuit current I_{sc} (A)	9,98	10,08	10,17
Open circuit voltage V_{oc} (V)	39,60	39,90	40,20
Module efficiency η_m (%)	18,64	18,94	19,24

Dimensions



Warranty conditions²

Product warranty	20 years
Performance guarantee	25 years (min. 80% after 25 years)



Packaging units

Modules per pallet	30 pcs
Modules per truck	780 pcs

Qualification & certification

IEC 61215:2005
IEC 61730-1:2004 / IEC 61730-2:2004



¹Values under Standard Test Conditions (STC): air mass 1,5 AM, irradiance 1000 W/m², cell temperature 25°C. STC measuring tolerance: ± 3 % (P_{max}), ± 10 % (V_{max} , I_{mpp} , V_{oc} , I_{sc}). ²Nominal value is specified in the written warranty conditions. Note: Please read safety instructions and installation manual before using this product. Subject to change. © 2018 Bauer Energiekonzepte GmbH. Effective 25th of July 2018.



Vertrieb:

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