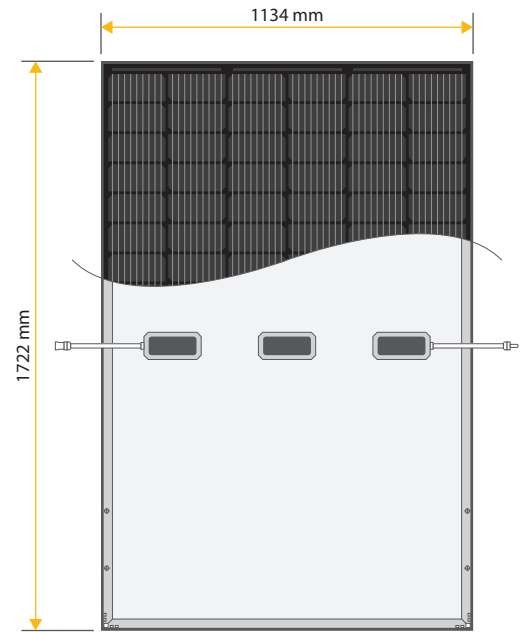


BS-M10HB 400 - 410 W

MECHANICAL DATA

Module dimensions	1722 x 1134 x 30 mm
Weight	21,4 kg
Frame	anodized aluminium alloy (black)
Frontside	Glass with anti-reflection technology
Embedding material	EVA
Backside	Foil (white)
Solar cells	108 monocrystalline PERC half-cells
Connection	IP ≥ 68, 3 bypass diodes
Cable & connector	1x4 mm ² , 1300 mm, MC4 compatible



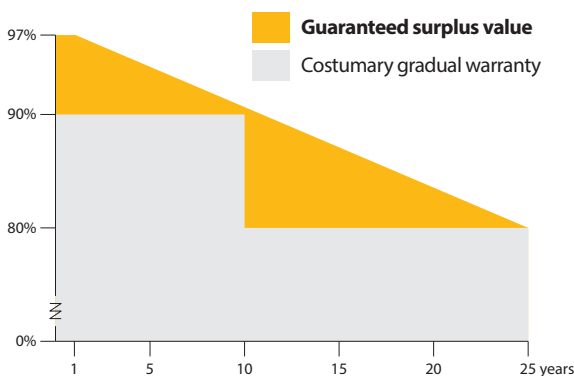
OPERATIONAL CONDITIONS

Operating temperature	-40 to 85°C
Static load	5400 Pa (snow/wind)
Hail	Ø 25 mm at 23 m/s

ELECTRICAL DATA¹

		BS-400-M10HB	BS-405-M10HB	BS-410-M10HB
Maximum power	P_{max} (W)	400	405	410
Power output tolerance	P_{max} (%)	0 ~ +3	0 ~ +3	0 ~ +3
Open circuit voltage	V_{oc} (V)	37,20	37,36	37,54
Short circuit current	I_{sc} (A)	13,68	13,78	13,86
Voltage at max. power	V_{mpp} (V)	31,17	31,36	31,55
Current at max. power	I_{mpp} (A)	12,84	12,92	13,00
Module efficiency	η_m (%)	20,49	20,75	21,00
Nominal operating cell temperature	NOCT (°C)	45 ± 2		
Temperature coefficient of V_{oc}	$T_k (V_{oc})$	-0,270 %/°C		
Temperature coefficient of I_{sc}	$T_k (I_{sc})$	+0,048 %/°C		
Temperature coefficient of P_{mpp}	$T_k (P_{mpp})$	-0,320 %/°C		
Maximum system voltage DC (TÜV)	(V)	1500		
Maximum series fuse rating	(A)	30		




LINEAR PERFORMANCE GUARANTEE



WARRANTY CONDITIONS²

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

QUALIFICATION & CERTIFICATION

IEC 61215	  
IEC 61730	

PACKAGING UNITS

Modules per pallet	36 pcs
Modules per truck	936 pcs

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. A possible light-induced degradation in power is not taken into account. The beneficiary under the reinsurance policy of MunichRe is solely Bauer Solar GmbH. Please contact us to get information on how this insurance coverage benefits you as a customer. Note: Please read safety instructions and installation manual before using this product. Subject to change. © 2021 Bauer Solar GmbH. Effective 3rd of november 2021.

