BAUER

Solartechnik GmbH

BS-M10HBB 395 - 405 W

PERFORMANCE GUARANTEE
20 years of 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

PID TEST
The solar cells of our high performance modules are tested for PID

REINSURANCE COVERAGE
The cooperation with the insurance company is guaranteeing even higher levels of financial stability & reliability - BAUER is insured for 12 years of the product's warranty and 25 years of the product's perfomance guarantee

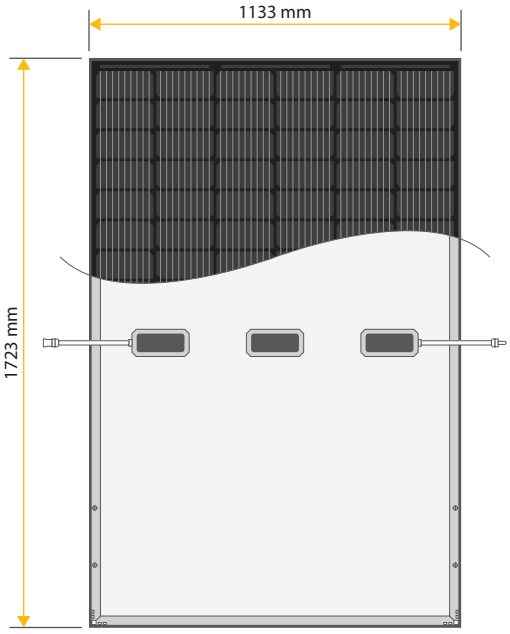


PROVEN & GUARANTEED BY
BAUER SOLARTECHNIK
HIGH QUALITY STANDARDS BY GERMAN ENGINEERS

BS-M10HBB 395 - 405 W

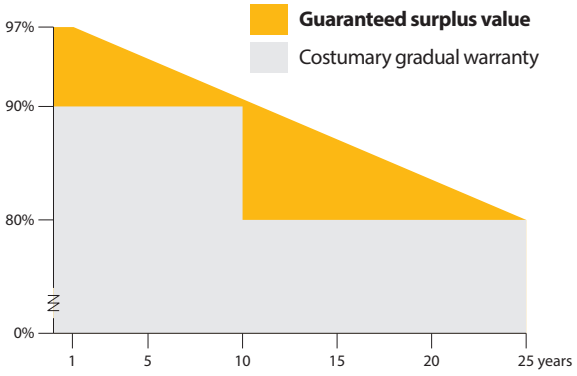
MECHANICAL DATA	
Module dimensions	1722x 1134 x 30 mm
Weight	21,4 kg
Frame	anodized aluminium alloy (black)
Frontside	Glass with anti-reflection technology
Embedding material	EVA
Backside	Foil (black)
Solar cells	108 monocrystalline PERC half-cells
Connection	IP ≥ 68, 3 bypass diodes
Cable & connector	1x4 mm², 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 DATA[1]		BS-395-M10HBB	BS-400-M10HBB	BS-405-M10HBB
Maximum power	P_{max} (W)	395	400	405
Power output tolerance	P_{max} (%)	0 ~ +3	0 ~ +3	0 ~ +3
Open circuit voltage	V_{oc} (V)	37,03	37,20	37,36
Short circuit current	I_{sc} (A)	13,59	13,68	13,78
Voltage at max. power	V_{mpp} (V)	31,00	31,17	31,36
Current at max. power	I_{mpp} (A)	12,75	12,84	12,92
Module efficiency	η_m (%)	20,23	20,49	20,75
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)	1000		
Maximum series fuse rating	(A)	30		

LINEAR PERFORMANCE GUARANTEE



WARRANTY CONDITIONS[2]	
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

[1]Values under Standard Test Conditions (STC): air mass 1,5 AM, irradiance 1000 W/m², cell temperature 25°C. STC measuring tolerance: ±3 % (Pmax), ±10 % (Vmax, Impp, VOC, ISC). [2]Nominal 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 Energiekonzepte 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. © 2020 Bauer Energiekonzepte GmbH. Effective 6th of april 2021.

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