

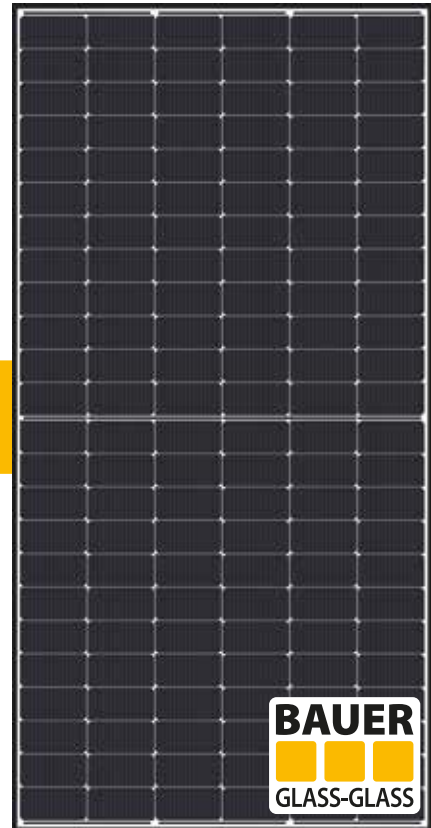


TOPCON N-TYPE M10

BAUER SOLARTECHNIK

PREMIUM PROTECT

BS-144M10NHBT-GG 565 - 575 W

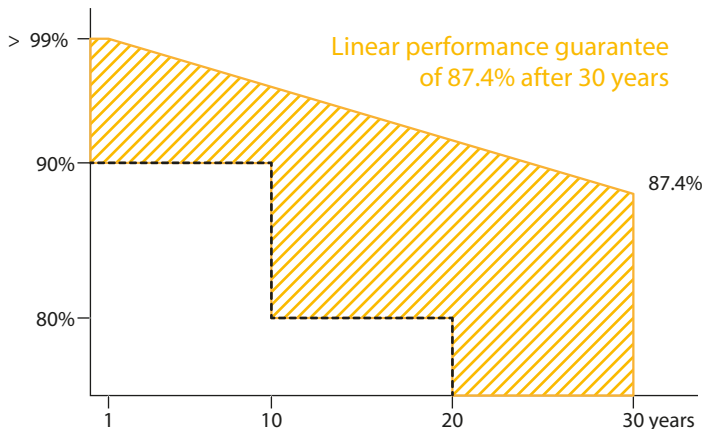


BIFACIAL GLASS-GLASS HALF-CELL MODULE - TRANSPARENT

engineered & designed in
GERMANY



BAUER guarantees a minimum performance value of 87.4% after 30 years for the PREMIUM PROTECT glass-glass solar modules.



FIRE CLASS A

Maximum fire protection through double glazing according to the highest security requirements



CERTIFICATION

Constant in-house quality controls - certified several times over by accredited inspection bodies



GRADE A N-TYPE BIFACIAL HALF-CELLS

Up to 30% increase in yield through bifacial cells active on both sides and a transparent backside. Only GRADE A half cells are used in the production of all BAUER solar modules and only the blackest are selected.



GERMAN GUARANTOR

If necessary, it is guaranteed that a German company takes over any claim settlements



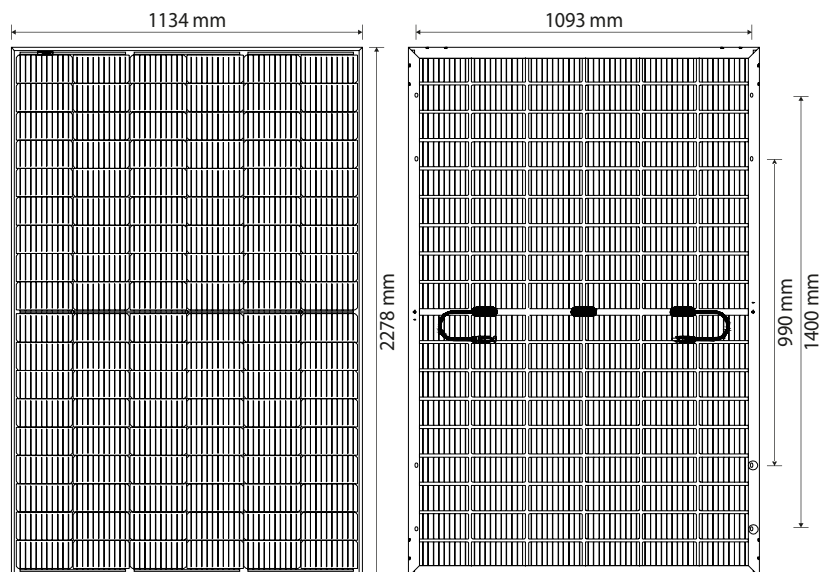
PERFORMANCE GUARANTEE

30 year product warranty and a linear performance guarantee over a period of 30 years



REINSURANCE COVERAGE

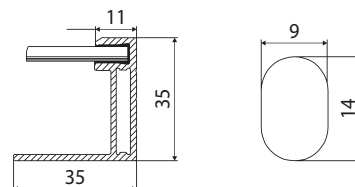
BAUER is re-insured with Munich RE for 12 years of the product warranty & 25 years of the performance guarantee



BAUER SOLARTECHNIK

PREMIUM PROTECT

BS-144M10NHBT-GG 565 - 575 W



WARRANTIES¹

- 30 years product warranty
- 30 years performance guarantee

PHYSICAL SPECIFICATIONS

Module dimensions	2278 x 1134 x 35 mm
Weight	32.7 kg
Frame	Black anodized aluminum profile
Frontside	AR-coating Semi-toughened glass, 2 mm
Embedding material	EVA
Backside	Semi-toughened glass, 2 mm
Solar cells	144 monocrystalline N-type bifacial half-cells
Bifaciality	80 % ± 10 %
Junction box(es)	IP68, 3 bypass diodes
Cable & connector	1x4 mm ² , 500 mm, MC4 compatible

OPERATING CONDITIONS

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

CERTIFICATION

CSA, IEC 61215, IEC 61730, Fire Class A IEC 61730-2 (UL790)

PACKAGING

Modules per pallet	30
Modules per container	600

ELECTRICAL CHARACTERISTICS²

		BS-565-144M10NHBT-GG	BS-570-144M10NHBT-GG	BS-575-144M10NHBT-GG
Maximum power	P _{max} (W)	565	570	575
Power output tolerance	P _{max} (%)	0 ~ +3	0 ~ +3	0 ~ +3
Open circuit voltage	V _{oc} (V)	50.87	51.07	51.26
Short circuit current	I _{sc} (A)	14.19	14.25	14.31
Voltage at maximum power	V _{mpp} (V)	42.14	42.34	42.53
Current at maximum power	I _{mpp} (A)	13.41	13.48	13.54
Module efficiency	η _m (%)	21.87	22.07	22.26
Bifaciality performance increase*	10 % P _{mpp} (W)	621.5 (+56.5)	627 (+57)	632.5 (+57.5)
	20 % P _{mpp} (W)	678 (+113)	684 (+114)	690 (+115)
	30 % P _{mpp} (W)	734.5 (+169.5)	741 (+171)	747.5 (+172.5)
Nominal operating cell temperature	NOCT (°C)	45 +/- 2		
Temperature coefficient of Voc	T _k (Voc)	-0.26 %/°C		
Temperature coefficient of I _{sc}	T _k (I _{sc})	+0.046 %/°C		
Temperature coefficient of P _{mpp}	T _k (P _{mpp})	-0.30 %/°C		
Maximum system voltage DC (TÜV)	(V)	1500		
Maximum series fuse rating	(A)	30		

¹Nominal value is specified in the written warranty conditions. A possible light-induced degradation in performance is not taken into account.

²Values under Standard Test Conditions (STC): air pressure 1.5 AM, irradiance 1000 W/m², cell temperature 25°C. STC measuring tolerance: ±3 % (P_{max}), ±10 % (V_{mpp}, I_{mpp}, V_{oc}, I_{sc}). The beneficiary under the reinsurance policy is solely Bauer Solar GmbH. Please contact us to get information on how this insurance coverage benefits you as a customer.

Note: please read the safety instructions and installation manual before using this product.
Subject to change. © 2023 Bauer Solar GmbH. Effective: 04/04/23.