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BAUER

SOLARTECHNIK

GENERATION N - TYPE M 12

BAUER SOLARTECHNIK

GLASS-GLASS PERFORMANCE

BS-132M12HSW-GG 710 - 720 W

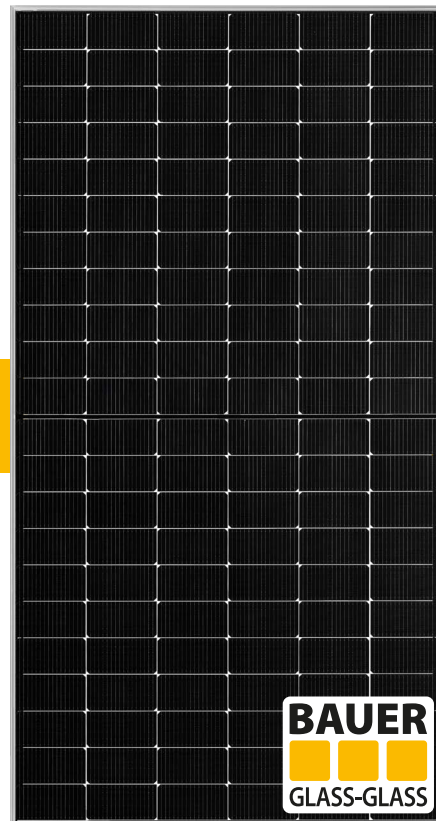
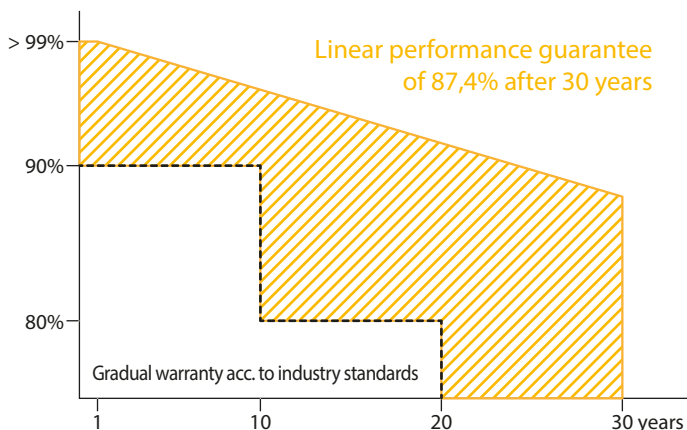
BIFACIAL GLASS-GLASS HALF-CELL MODULE - WHITE

engineered & designed in
GERMANY



BAUER guarantees a minimum performance value
of 87,4% after 30 years for the glass-glass solar modules.

A comparison of **BAUER** glass-glass solar modules performance guarantee
to conventional glass-foil modules according to industry standards:



Sample - not a real photo

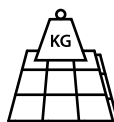
BAUER GUARANTEE +

Our extended guarantee covers the module guarantee
and a lump-sum compensation for the
replacement of a defective module
(Guarantee conditions as of 01.12.2023).



FIRE CLASS A

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



STABILITY & DURABILITY

2 x 2 mm tempered anti-reflective solar glass:
dirt-repellent, scratch-resistant, durable and shock-proved



BIFACIAL N-TYPE TOPCON HALF-CELLS

Up to 30% increase in yield through bifacial cells active
on both sides and a transparent backside



GERMAN GUARANTOR

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



PERFORMANCE GUARANTEE

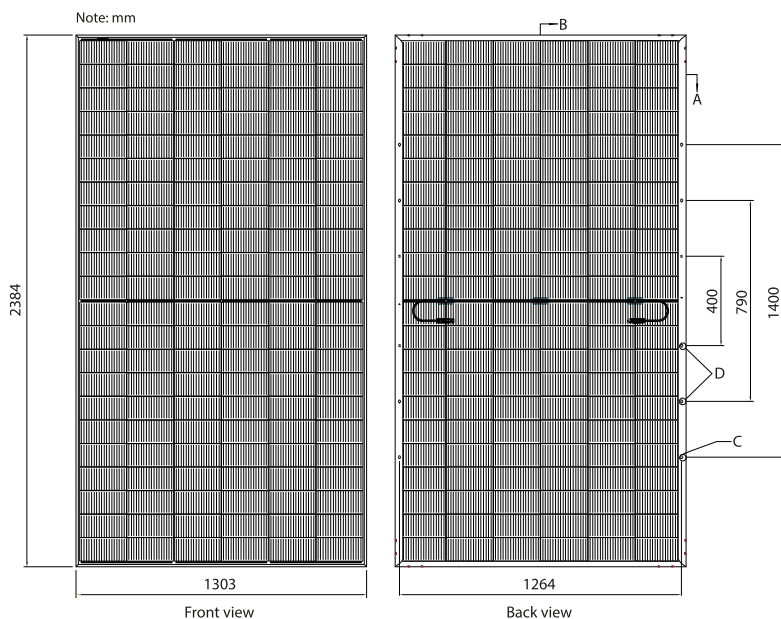
30 year warranty and a linear performance guarantee
over a period of 30 years



REINSURANCE COVERAGE

BAUER is reinsured for 30 years of the product's
performance guarantee

DISTRIBUTION



PHYSICAL SPECIFICATIONS

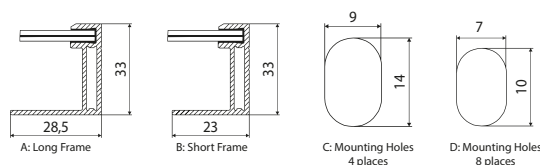
Module dimensions	2384 x 1303 x 33 mm
Weight	37,7 kg
Frame	Anodized aluminium alloy (silver)
Frontside	Premium Protect anti-reflection glass, 2 mm
Embedding material	EVA
Backside	White coated anti-reflection glass, 2 mm
Solar cells	132 monocrystalline N-type bifacial half-cells
Bifaciality	80 % ± 5 %
Junction box(es)	IP68, 3 bypass diodes
Cable & connector	1x4 mm ² , 300 mm, MC4 compatible

ELECTRICAL CHARACTERISTICS²

		BS-710-132M12HSW-GG	BS-715-132M12HSW-GG	BS-720-132M12HSW-GG
Maximum power	P _{max} (W)	710	715	720
Power output tolerance	P _{max} (%)	0 ~ +3	0 ~ +3	0 ~ +3
Open circuit voltage	V _{oc} (V)	48,82	49,02	49,20
Short circuit current	I _{sc} (A)	18,52	18,56	18,60
Voltage at maximum power	V _{mpp} (V)	40,76	40,93	41,10
Current at maximum power	I _{mpp} (A)	17,45	17,50	17,54
Module efficiency	η _m (%)	22,90	23,00	23,20
Bifaciality performance increase*	10 % P _{mpp} (W)	781 (+71)	787 (+72)	792 (+72)
	20 % P _{mpp} (W)	852 (+142)	858 (+143)	864 (+144)
	30 % P _{mpp} (W)	923 (+213)	930 (+215)	936 (+216)
Nominal operating cell temperature	NOCT (°C)	42 +/- 2/°C		
Temperature coefficient of V _{oc}	T _k (V _{oc})	-0,25 %/°C		
Temperature coefficient of I _{sc}	T _k (I _{sc})	+0,048 %/°C		
Temperature coefficient of P _{mpp}	T _k (P _{mpp})	-0,29 %/°C		
Maximum system voltage DC (TÜV)	(V)	1500		
Maximum series fuse rating	(A)	35		

DISTRIBUTION

BAUER SOLARTECHNIK GLASS-GLASS PERFORMANCE BS-132M12HSW-GG 710 - 720 W



WARRANTIES¹

- 30 years product warranty
- 30 years performance guarantee

OPERATING CONDITIONS

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

CERTIFICATION

IEC 61215, IEC 61730, Fire class A acc. IEC 61730-2
IEC 61701 (Salt mist), IEC 62716 (Ammonia)

PACKAGING

Modules per pallet	33
Pallets/modules per truck	18/594

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 mass 1,5 AM, irradiance 1000 W/m², cell temperature 25°C. STC measuring tolerance: ±3 % (P_{max}), ±10 % (V_{max}, I_{mp}, V_{oc}, I_{sc}). The beneficiary under the reinsurance policy is solely BAUER Solar Engineering 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.
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