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# BAUER

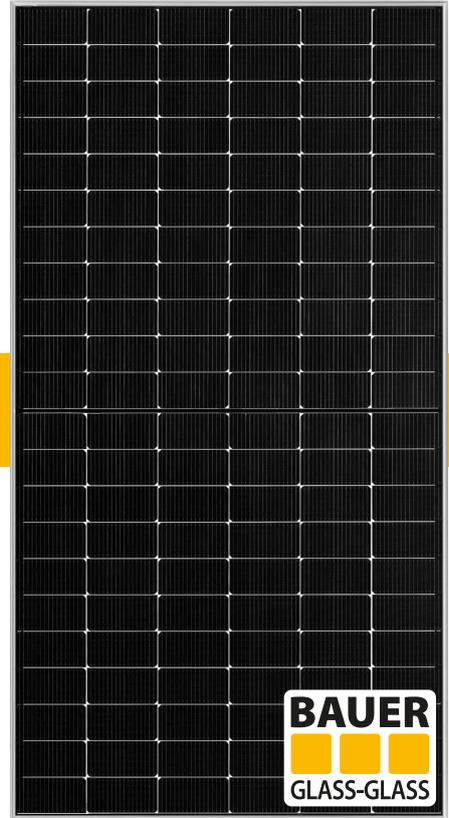
## SOLARTECHNIK

GENERATION N - TYPE M 12

## BAUER SOLARTECHNIK

# GLASS-GLASS PERFORMANCE

BS-132M12RHSW-GG 620 - 630 W



Sample - not a real photo

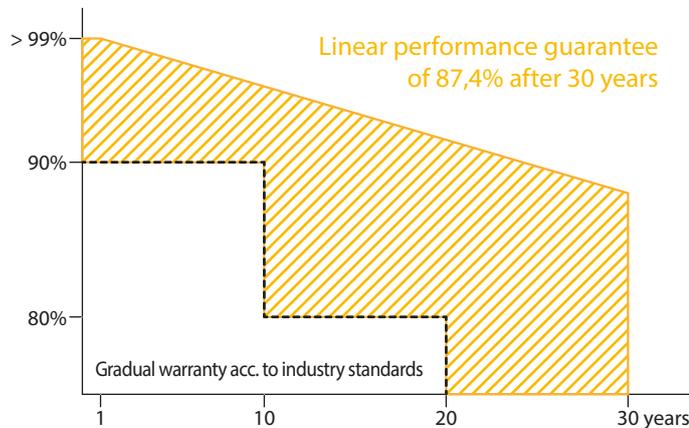
BIFACIAL GLASS-GLASS HALF-CELL MODULE - WHITE

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:



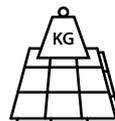
## BAUER

### 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

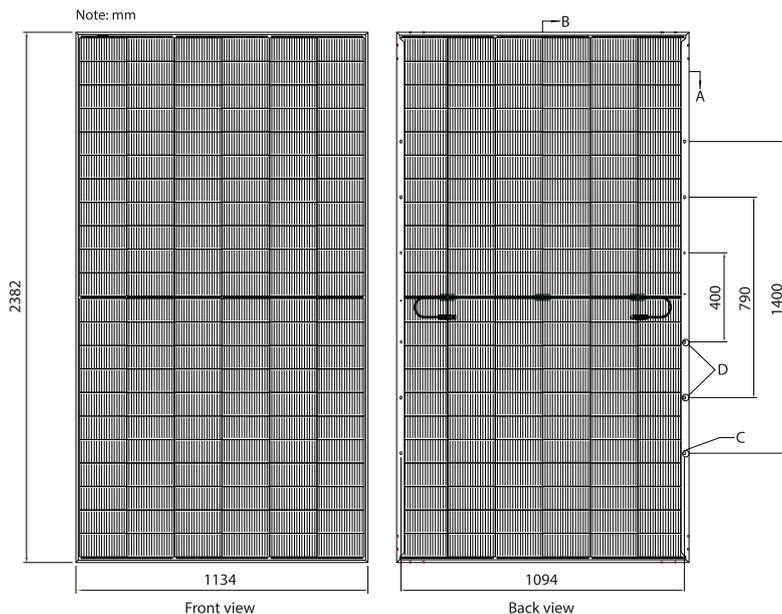


**PERFORMANCE GUARANTEE**  
30 year warranty and a linear performance guarantee over a period of 30 years



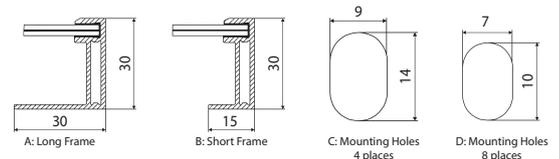
**REINSURANCE COVERAGE**  
BAUER is reinsured for 30 years of the product's performance guarantee

DISTRIBUTION



## BAUER SOLARTECHNIK GLASS-GLASS PERFORMANCE

### BS-132M12RHSW-GG 620 - 630 W



#### WARRANTIES<sup>1</sup>

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 36

Pallets/modules per truck 20/720

#### PHYSICAL SPECIFICATIONS

Module dimensions	2382 x 1134 x 30 mm
Weight	32,3 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 <sup>2</sup> , 300 mm, MC4 compatible

#### ELECTRICAL CHARACTERISTICS<sup>2</sup>

		BS-620-132M12RHSW-GG	BS-625-132M12RHSW-GG	BS-630-132M12RHSW-GG
Maximum power	P <sub>max</sub> (W)	620	625	630
Power output tolerance	P <sub>max</sub> (%)	0 ~ +3	0 ~ +3	0 ~ +3
Open circuit voltage	V <sub>oc</sub> (V)	49,09	49,29	49,49
Short circuit current	I <sub>sc</sub> (A)	16,11	16,17	16,23
Voltage at maximum power	V <sub>mpp</sub> (V)	40,85	41,05	41,25
Current at maximum power	I <sub>mpp</sub> (A)	15,20	15,25	15,30
Module efficiency	η <sub>m</sub> (%)	23,00	23,10	23,30
Bifaciality performance increase*	10 % P <sub>mpp</sub> (W)	682 (+62)	688 (+63)	693 (+63)
	20 % P <sub>mpp</sub> (W)	744 (+124)	750 (+125)	756 (+126)
	30 % P <sub>mpp</sub> (W)	806 (+186)	813 (+188)	819 (+189)
Nominal operating cell temperature	NOCT (°C)	42 +/- 2/°C		
Temperature coefficient of V <sub>oc</sub>	T <sub>k</sub> (V <sub>oc</sub> )	-0,25 %/°C		
Temperature coefficient of I <sub>sc</sub>	T <sub>k</sub> (I <sub>sc</sub> )	+0,048 %/°C		
Temperature coefficient of P <sub>mpp</sub>	T <sub>k</sub> (P <sub>mpp</sub> )	-0,29 %/°C		
Maximum system voltage DC (TÜV)	(V)	1500		
Maximum series fuse rating	(A)	30		

\*depending on Albedo and irradiation conditions at installation site

<sup>1</sup>Nominal value is specified in the written warranty conditions. A possible light-induced degradation in performance is not taken into account. <sup>2</sup>Values under Standard Test Conditions (STC): air mass 1,5 AM, irradiance 1000 W/m<sup>2</sup>, cell temperature 25°C. STC measuring tolerance: ±3 % (P<sub>max</sub>), ±10 % (V<sub>max</sub>, I<sub>mpp</sub>, V<sub>oc</sub>, I<sub>sc</sub>). 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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