



GENERATION N-TYPE M10

BAUER SOLARTECHNIK

GLASS-GLASS PERFORMANCE BS-108M10HBW-GG 440 - 450 W

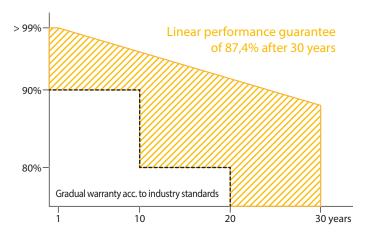
BIFACIAL GLASS-GLASS HALF-CELL MODULE - WHITE

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:





BIFACIAL N-TYPE TOPCON HALF-CELLS Up to 30% increase in yield through bifacial cells active

on both sides and a transparent backside



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





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



GERMAN GUARANTOR

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



REINSURANCE COVERAGE

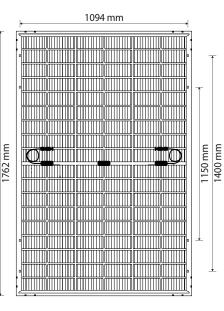
BAUER is reinsured for 30 years of the product's perfomance guarantee

DISTRIBUTION





1134 mm							
+ 1134 mm +							



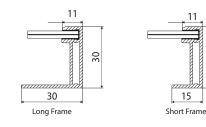
PHYSICAL SPECIFICATIONS

Module dimensions	1762 x 1134 x 30 mm		
Weight	24,5 kg		
Frame	Anodized aluminium alloy (black)		
Frontside	Premium Protect anti-reflection glass, 2 mm		
Embedding material	EVA		
Backside	White coated anti-reflection glass, 2 mm		
Solar cells	108 monocrystalline N-type bifacial half-cells		
Bifaciality	80 % ± 5 %		
Junction box(es)	IP68, 3 bypass diodes		
Cable & connector	1x4 mm ² , 1300 mm, MC4 compatible		

BAUER SOLARTECHNIK GLASS-GLASS PERFORMANCE

80

BS-108M10HBW-GG 440 - 450 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	HW3	Ø 30 mm at ~ 24 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	26/936

D.	S-440-108M10HBW-GG	BS-445-108M10HBW-GG	BS-450-108M10HBW-GG	
Pmax (W)	440	445	450	
Pmax (%)	0~+3	0 ~ +3	0 ~ +3	
Voc (V)	39,40	39,60	39,80	
lsc (A)	13,90	13,97	14,04	
Vmpp (V)	32,84	33,04	33,24	
Impp (A)	13,40	13,47	13,54	
ηm (%)	22,00	22,30	22,50	
10 % Pmpp (W)	484 (+44)	490 (+45)	495 (+45)	
20 % Pmpp (W)	528 (+88)	534 (+89)	540 (+90)	
30 % Pmpp (W)	572 (+132)	579 (+134)	585 (+135)	
NOCT (°C)	42 +/- 2/°C	¹ Nominal value is specified in the written warranty conditions.		
Tk (Voc)	-0,25 %/°C	 A possible light-induced degradation in performance is not taken into account. ²Values under Standard Test Conitions (STC): air mass 1,5 AM, irradiance 1000 W/m², cell temperature 25°C. STC measuring tolerance: ±3 % (Pmax), ±10 % (Vmax, Impp, VOC, ISC). The beneficiary under the reinsurance policy is soleley 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. 		
Tk (lsc)	+0,048 %/°C			
Tk (Pmpp)	-0,29 %/°C			
(V)	1500			
(A)	30			
	Pmax (W) Pmax (%) Voc (V) Isc (A) Vmpp (V) Impp (A) 10 % Pmpp (W) 20 % Pmpp (W) 30 % Pmpp (W) 30 % Pmpp (W) Th (Voc) Th (Isc) (V)	Pmax (W) 440 Pmax (%) 0 ~ +3 Voc (V) 39,40 lsc (A) 13,90 Vmpp (V) 32,84 Impp (A) 13,40 ηm (%) 22,00 10 % Pmpp (W) 484 (+44) 20 % Pmpp (W) 528 (+88) 30 % Pmpp (W) 572 (+132) NOCT (°C) 42 +/- 2/°C Tk (Voc) -0,25 %/°C Tk (lsc) +0,048 %/°C Tk (Pmpp) -0,29 %/°C (V) 1500	Pmax (W)440445Pmax (W) $0 \sim +3$ $0 \sim +3$ Voc (V) $39,40$ $39,60$ lsc (A) $13,90$ $13,97$ Vmpp (V) $32,84$ $33,04$ Impp (A) $13,40$ $13,47$ ηm (%) $22,00$ $22,30$ 10% Pmpp (W) 484 (+44) 490 (+45) 20% Pmpp (W) 528 (+88) 534 (+89) 30% Pmpp (W) 572 (+132) 579 (+134)NOCT (°C) $42 \pm /- 2/°C$ 'Nominal value is specified in the wr A possible light-induced degradatio into account. ² Values under Standar mass $1,5$ AM, irradiance 1000 W/m ² , measuring tolerance: $\pm 3 \%$ (Pmax), \pm The beneficiary under the reinsura Solar Engineering GmbH. Please com Solar Engineering GmbH. Please com how this insurance coverage benefit Note: please read the safety instruct	

DISTRIBUTION