

Exclusive for the RHEINZINK-PV solar system



SPECIAL LINE TOPCON GLASS-GLASS BIFACIAL M40 / 180 W

FULL BLACK, FRAMELESS | TECHNICAL DATA:

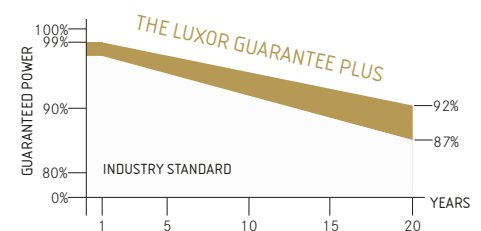
Electrical data	at STC	at 200 W/m²
Rated power P _{mp} [Wp]	180.00	
Rated current I _{mp} [A]	7.32	
Rated voltage U _{mp} [V]	24.60	
Short-circuit current I _{sc} [A]	7.79	
Open-circuit voltage U _{oc} [V]	29.78	
Temperature coefficient		
Temperature coefficient [U] [I] [P]	-0.25 % /°C 0.045 % /°C -0.3 % /°C	
Technical data		
Cells (Matrix) Dimensions Type	40 (4 x 10) 182 mm x 105 mm N-Type TOPCon	
Module dimensions (L x W x H) ¹ Weight	1900 mm x 506 mm x 5.5 mm 11 kg	
Operating temperature	- 40 up to 85°C	
Bifaciality Factor	75 % +/- 3 %	
Max. tested pressure/tensile load ²	3600 Pa /2400 Pa	
Front side	2.0 mm semi tempered anti-reflection solar glass	
Back side	2.0 mm semi tempered solar glass, black mesh	
Frame	Frameless module with edge sealing	
Max. System voltage max. reverse current	1000 V 30 A	
Junction box Diodes	At least IP67 3 Schottky Diodes	
Cables	Symmetrical cable lengths > 0.6 m, 4 mm² solar cable	
Connectors	MC4	
Hail test (max. hailstorm)	Ø 25 mm impact velocity 23 m/s ± 82,8 km/h	



Product guarantee



Linear performance
guarantee



Technical data are average values and may vary slightly. The relevant data of the individual measurement are decisive. Measurement tolerance of the nominal power depending on the measuring equipment +/-3%, other values +/-10%. Possible light-induced degradation of the output after commissioning is not taken into account.

1 Tolerance L/W = +/- 1 mm, H +/- mm

2 For horizontal mounting with 4 clamps per module side, part of certification according to IEC 61215



Guidelines:
93/68/EWG
2014/35/EU, (NSR)
2014/30/EU, (EMV)