

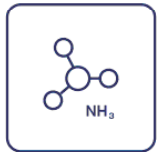
Framed - Bifacial - Transparency 55%



Fire class A



Extreme load resistance



Ammonia resistance



Salt mist resistance



98,8% recyclable

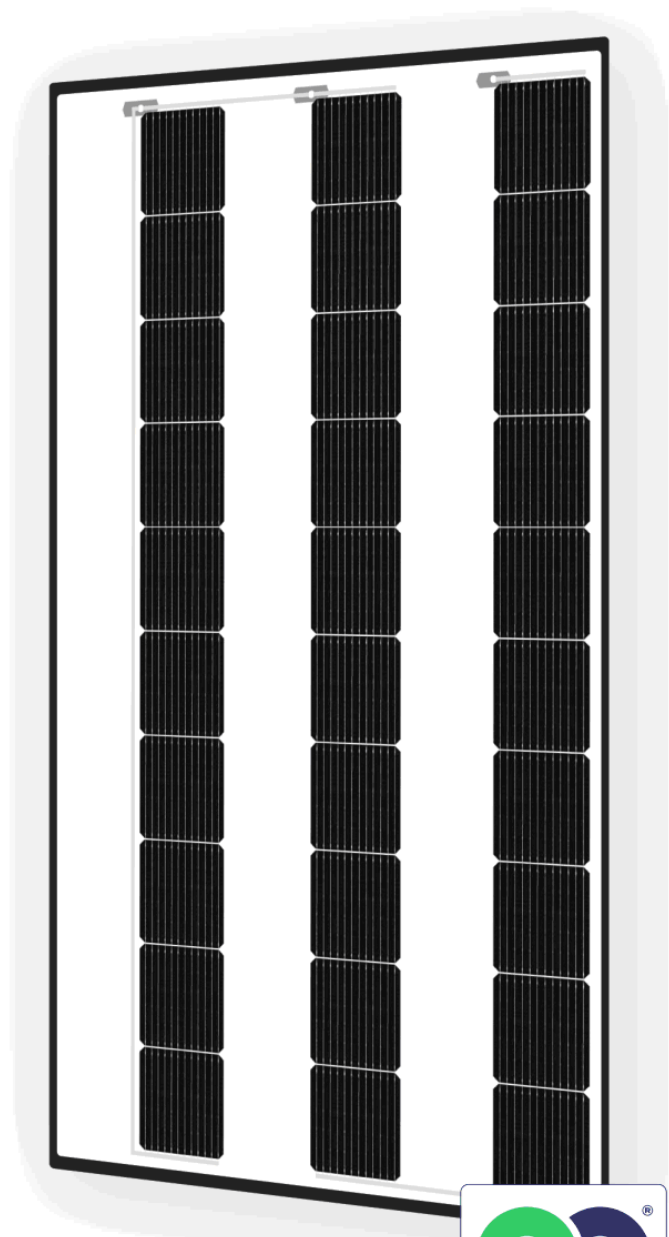


Hail resistance class 3



35% of recycled glass content

Positive sorting up to +5W



DIBt In Progress



Front side ⚡ 180 W

**30** Year product warranty

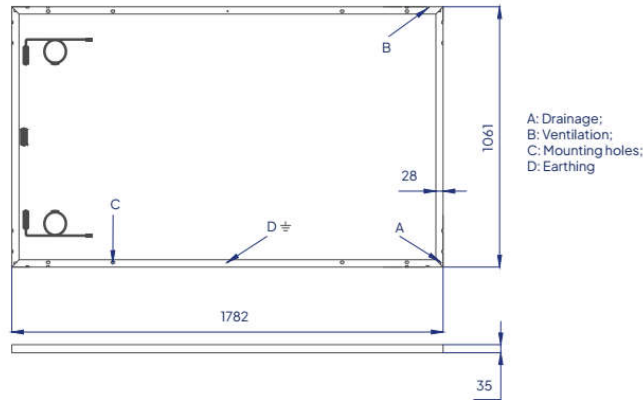
**87%** Power warranty

**30** Year efficiency warranty

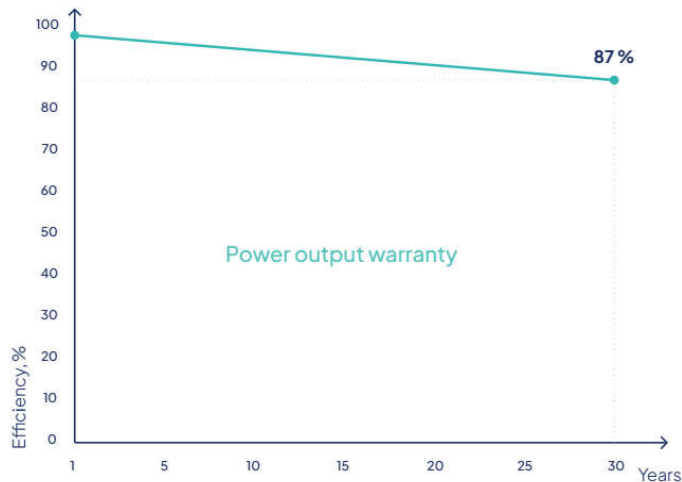
Electrical data (STC*)	
Maximum power (W)	180
Cell technology	Bifacial
Open circuit voltage ( $V_{oc}/V$ )	19,90
Short circuit current ( $I_{sc}/A$ )	11,18
Max power voltage ( $V_{mpp}/V$ )	16,95
Max power current ( $I_{mpp}/A$ )	10,62
Module efficiency (n)	9,69%
Max system voltage (V)	1000
Max current (A)	20
Power tolerance	0/+5W

\*Under standard test conditions (STC) of irradiance of 1000W/sq.m., spectrum AM1.5 and cell temperature of 25°C. Flash testing measurement accuracy of +/-5%.

Warranty	
30 years product warranty	
30 years efficiency warranty	
First year degradation (%)	2 %
Annual degradation (%)	0.379 %
Power in year 30 (%)	87 %



A: Drainage;  
B: Ventilation;  
C: Mounting holes;  
D: Earthing



Temperature ratings	
Current temperature coefficient ( $\alpha$ )	+0.036% / °C
Voltage temperature coefficient ( $\beta$ )	-0.265% / °C
Power temperature coefficient ( $\delta$ )	-0.362% / °C
Nominal operating module temperature	46 °C
Mechanical data	
Dimensions (LxWxH) (mm)	1782x1061x35 mm
Weight (kg)	24
Front glass (mm)	2
Back glass (mm)	2, transparent
Cell Size (mm)	166x166
Busbars	9
Transparency %	55
Cell configuration	3x10
Frame	Black anodized aluminium frame
Rated operating altitude	Up to 2000 m
Operating temperature (°C)	-40 ÷ +85
Maximum test load (wind/snow) (Pa)	3600/8100
Junction box / IP class	Split junction box / IP68
Cable cross section size (mm <sup>2</sup> )	4
Cable length	1,2 m
Bypass diodes	3
Connector	MC4 compatible

Packing information	
Modules per pallet	30 pcs
Dimensions of a pallet (LxWxH)	1840x1140x1280 mm
Weight of a pallet (gross)	782 kg
Pallets per 13.6 m truck	28 pcs
Modules per 13.6 m truck	840 pcs

Certifications	
IEC 61215:2021; IEC 61730:2016; UL 61730:2017	
Cradle to Cradle (C2C)	Gold level
IEC 62716:2013	Ammonia corrosion testing
IEC 61701:2020	Salt mist corrosion testing
IEC 61215-2:2021	29mm hailstone - Hail resistance class 3 (HW3)
ISO 9001:2015	Quality management systems
ISO 14001:2015	Environmental management systems
ISO 45001:2018	Occupational health and safety
SundaHus	A level assessment
Produced using 100% renewable energy	
Membership at Svensk Solenergi	



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