

SOLID Bifacial

Frameless_Glass/Glass_Anti-Glare

108 cell

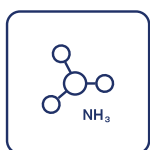
NEW
Satin glass



Fire class A



10 500 Pa
Extreme load
resistance



Ammonia
resistance



Salt mist
resistance



98 %
recyclable



40 mm
Hail resistance
class 4

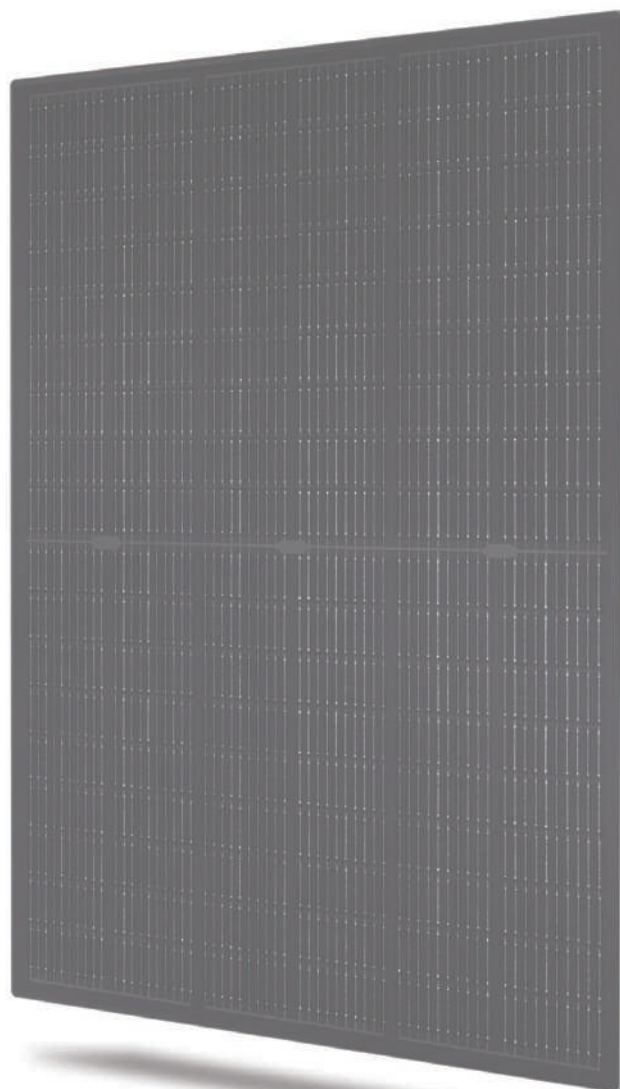


35% of recycled
glass content



A luminance of
4000 cd/m²

Extremely
low-glare



Positive sorting up to +5W

Front side ⚡ 425 W



Deutsches
Institut
für
Bautechnik

DIBt

30 Year
product
warranty

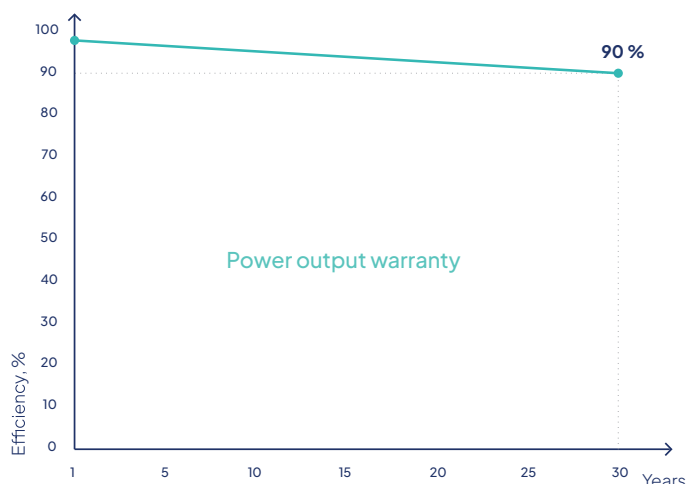
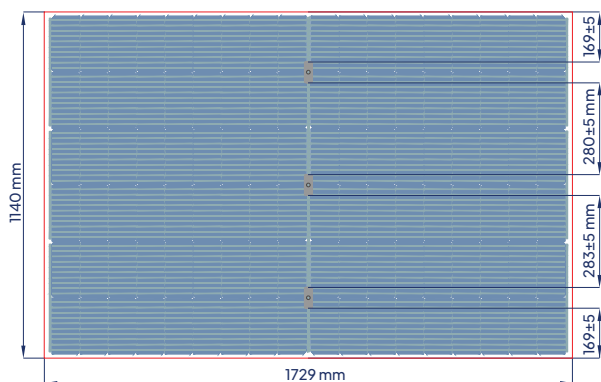
90% Power
warranty

30 Year
efficiency
warranty

Electrical data (STC*)	
Maximum power (W)	425
Cell technology	N type, TOPCon - bifacial
Open circuit voltage (V_{oc}/V)	38,65
Short circuit current (I_{sc}/A)	13,70
Max power voltage (V_{mpp}/V)	32,57
Max power current (I_{mpp}/A)	13,05
Module efficiency (η)	21,76%
Max system voltage (V)	1500
Max current (A)	25
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 (%)	1%
Annual degradation (%)	0,31%
Power in year 30 (%)	90 %



Temperature ratings	
Current temperature coefficient (α)	+0.045% / °C
Voltage temperature coefficient (β)	-0.250% / °C
Power temperature coefficient (δ)	-0.300% / °C
Nominal operating module temperature	46 °C
Mechanical data	
Dimensions (LxWxH) (mm)	1729x1140x7,2
Dimensions with edge sealing (LxWxH)(mm)	1733±2x1144±2x7,2
Weight (kg)	33
Front glass (mm)	3,2 structured, satin, 4000 cd/m ² , ESG
Back glass (mm)	3,2, full black, ESG
Cell Size (mm)	182x91,875
Busbars	10
Cell configuration	6x18
Frame	Frameless
Rated operating altitude	Up to 2000 m
Operating temperature (°C)	-40 ÷ +85
Maximum test load (wind/snow) (Pa)	5400/10500
Junction box / IP class	Split junction box / IP68
Cable cross section size (mm ²)	4
Cable length	1,2 m
Bypass diodes	3
Connector	MC4-EVO2
Packing information	
Modules per pallet	25 pcs
Dimensions of a pallet (LxWxH)	1860x1220x1100 mm
Weight of a pallet (gross)	887 kg
Pallets per 13,6 m truck	22 pcs
Modules per 13,6 m truck	550 pcs

Certifications	
IEC 61215:2021; IEC 61730:2016	
Cradle to Cradle (C2C)	Gold level
abZ/aBG	National technical approval/ General construction technique permit
IEC 62716:2013	Ammonia corrosion testing
IEC 61701:2020	Salt mist corrosion testing
IEC 61215-2:2021	40 mm hailstone - Hail resistance class 4 (HW4)
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	



Product assessed in SundaHus Material Data



PRODUCED USING 100% RENEWABLE ENERGY



Svensk Solenergi



Deutsches Institut für Bautechnik



This datasheet is not legally binding. The manufacturer reserves the right to make changes to product specifications and / or product features without prior notice. The most recent versions of all documents (T&C's, datasheets, warranties and installation manuals) can always be found on our website at www.solitek.eu

