

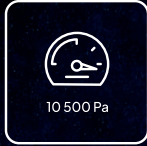
SOLID Bifacial

108 cell

Frameless_Glass/Glass_Full_Black



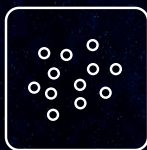
Self-cleaning effect



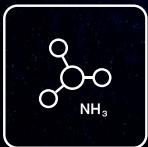
Extreme load resistance
10 500 Pa



Fire class A



Salt mist resistance



Ammonia resistance



35% of recycled glass content



98% recyclable



Hail resistance class 4
40 mm



Positive sorting up to +5W

Front side ⚡ 435 W



Deutsches Institut für Bautechnik

DIBt

30 Year product warranty

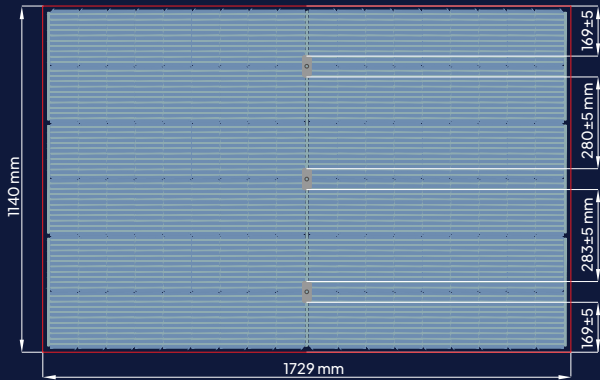
90% Power warranty

30 Year efficiency warranty

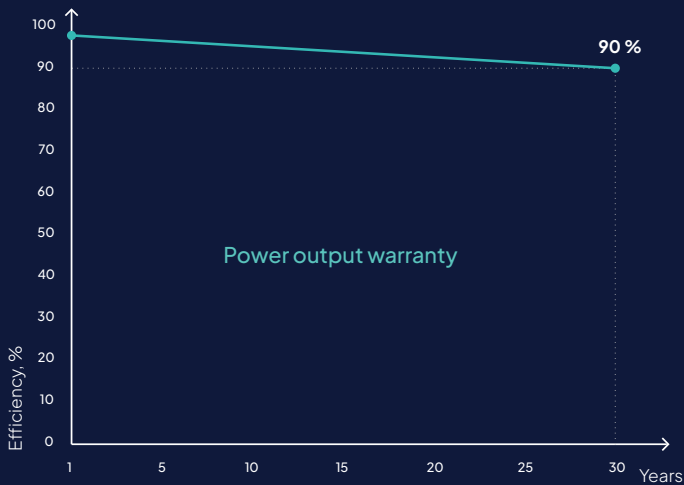
| Electrical data (STC*) | |
|--------------------------------------|---------------------------|
| Maximum power (W) | 435 |
| Cell technology | N type, TOPCon - bifacial |
| Open circuit voltage (V_{oc}/V) | 38,92 |
| Short circuit current (I_{sc}/A) | 13,80 |
| Max power voltage (V_{mpp}/V) | 32,96 |
| Max power current (I_{mpp}/A) | 13,20 |
| Module efficiency (η) | 22,07% |
| 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% |



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



| 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 mm |
| Dimensions with edge sealing (LxWxH) (mm) | 1733±2x1144±2x7,2 |
| Weight (kg) | 32 |
| Front glass (mm) | 3,2 structured, low reflection, with AR coating |
| Back glass (mm) | 3,2, black |
| 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) | 1815x1205x1070 mm |
| Weight of a pallet (gross) | 868 kg |
| Pallets per 13,6 m truck | 28 pcs |
| Modules per 13,6 m truck | 700 pcs |

| Certifications | |
|--------------------------------------|---|
| IEC 61215:2021; IEC 61730:2016 | |
| Cradle to Cradle (C2C) | Gold level |
| abZ/aBG | Overhead Glazing |
| 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 | |



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

