



SOLRIF D series

Satin

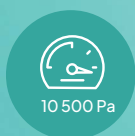
 **445 W**

 **Made in the EU**

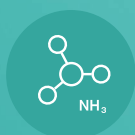
3.2+3.2 mm glass



Fire class A



10 500 Pa
Extreme load
resistance



Ammonia
resistance



50 mm
Hail resistance
class 5



98 %
recyclable



A luminance of
3600 cd/m
Extremely
low-glare

30
YEAR

Product &
Efficiency
Guarantee

90%
POWER WARRANTY



THE FIRST AND ONLY
IN THE WORLD

Deutsches
Institut
für
Bautechnik



ONE OF A FEW IN THE WORLD

Electrical data (STC*)

| | |
|--------------------------------------|---------------------------|
| Maximum power (W) | 445 |
| Cell technology | N type, TOPCon - bifacial |
| Open circuit voltage (V_{oc}/V) | 34,40 |
| Short circuit current (I_{sc}/A) | 15,79 |
| Max power voltage (V_{mpp}/V) | 29,40 |
| Max power current (I_{mp}/A) | 15,14 |
| Module efficiency (η) | 22,06 % |
| Max system voltage (V) | 1500 |
| Max current (A) | 30 |
| 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

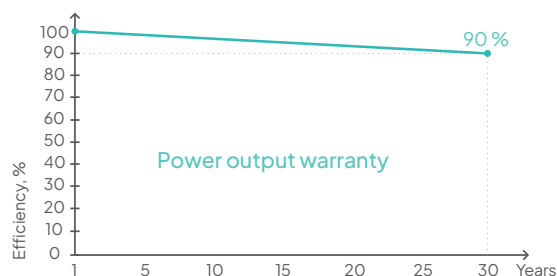
30 years product warranty

30 years efficiency warranty

First year degradation (%) 1

Annual degradation (%) 0,31

Power in year 30 (%) 90



Certifications

IEC 61215:2021; IEC 61730:2023

| | |
|------------------------|---|
| Cradle to Cradle (C2C) | Gold level |
| abZ/aBG | National technical approval / General construction permit |
| EN 13501-5 | Broof (t1) |
| IEC 62716:2013 | Ammonia corrosion testing |
| IEC 61701:2020 | Salt mist corrosion testing |
| IEC 61215-2:2021 | 50 mm hailstone - Hail resistance class 5 (HW5) |
| 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

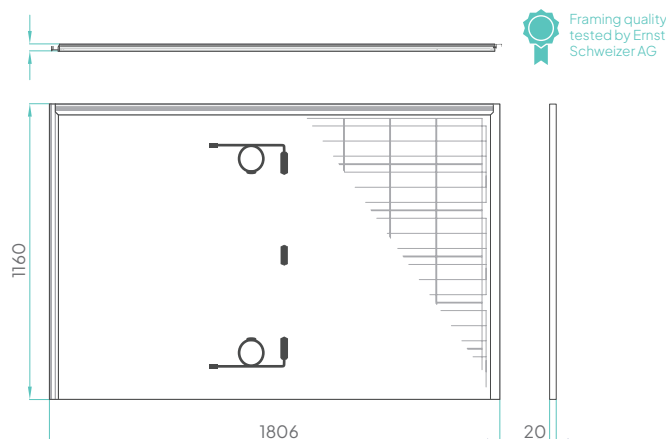


Temperature ratings

| | |
|--|--------------|
| 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) | 1806x1160x20 |
| Grid dimensions (LxW) (mm) | 1788x1128 |
| Weight (kg) | 35 |
| Front glass (mm) | 3.2, structured, satin 3600cd/m ² , TVG |
| Back glass (mm) | 3.2, black, TVG |
| Cell Size (mm) | 182,2x105 |
| Busbars | 16 |
| Cell configuration | 6x16 |
| Frame | Solrif D |
| Rated operating altitude (m) | Up to 2000 |
| Operating temperature (°C) | -40 ÷ +85 |
| Maximum test load (wind/snow) (Pa) | 3600/10500 |
| Junction box / IP class | Split junction box / IP68 |
| Cable cross section size (mm ²) | 4 |
| Cable length (m) | 1,2 |
| Bypass diodes | 3 |
| Connector | MC4-EVO2 |



Packing information

| | |
|-------------------------------------|----------------|
| Modules per pallet (pcs) | 25 |
| Dimensions of a pallet (LxWxH) (mm) | 1899x1203x1070 |
| Weight of a pallet (gross) (kg) | 940 |
| Pallets per 13,6 m truck (pcs) | 24 |
| Modules per 13,6 m truck (pcs) | 600 |

