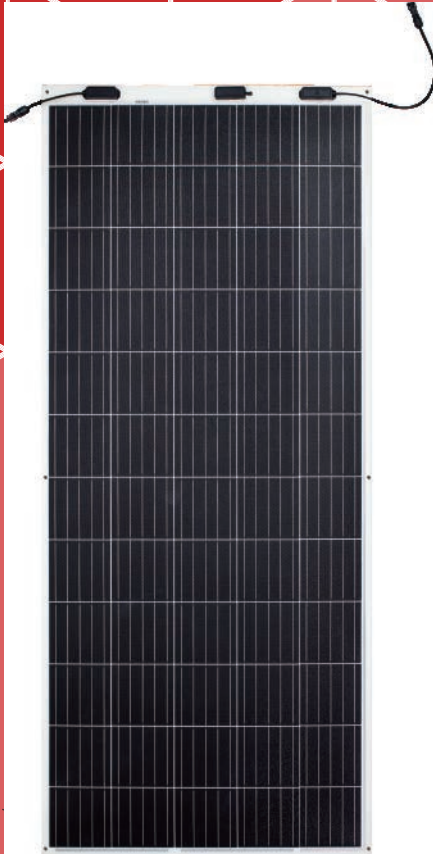


eArc

SMF310M-5X12UW

8 BW

omohubvttbmy bt-ul of
lbustm



High efficiency
conversion rate
of



Easy installation
and maintenance
:



Flexible design
for various
applications



High pressure
resistance
&

Power 305~310 W

TOLERANCE 0-5 W

LINEAR (85\$7)

10 Product / LH

25 W / LH



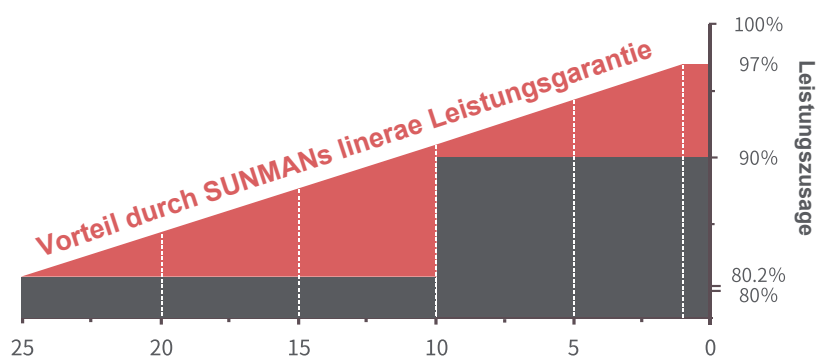
www.sunman-energy.com



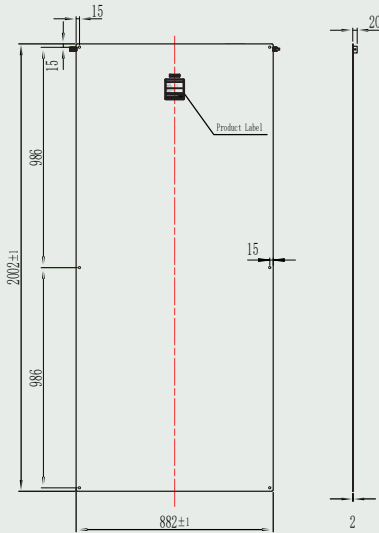
ULTRA-LIGHT & FLEXIBLE SOLAR PANEL

CAUTION: Read installation manual before using the product.

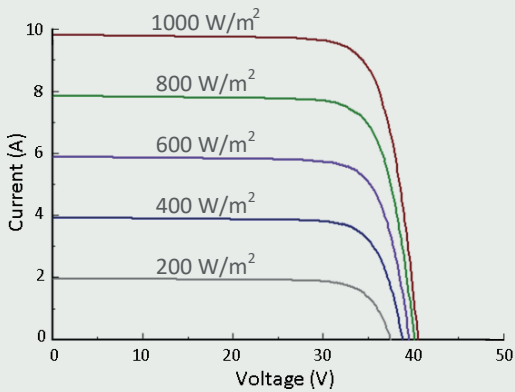
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ABMESSUNGEN



I-V KURVE bei 310 W



TEMPERATURCHARAKTERISTIK

| | |
|--|-------------------|
| Nominal Module Operating Temperature(NOMT) | 41±2 °C |
| Temperature Coefficient of P_{max} | -0.38 %/°C |
| Temperature Coefficient of V_{oc} | -0.28 %/°C |
| Temperature Coefficient of I_{sc} | 0.020 %/°C |

Fire resistance:
C in accordance with UL 790

SMD and SMF series panels have been certified to installed on Colorbond roof sheeting and Zinalume.
Any other roof sheeting install requires consultation with Sunman or its local importer.
Installation of SMD and SMF series panels require Sika Sikasil SG-20 or Tonsan 1527.
Mounting module with clamps is not suitable. Please refer to installation manual for mounting method.

SMF310M IEC AU 2021A

ELEKTRISCHE DATEN

| STC | SMF305M-5X12UW | SMF310M-5X12UW |
|----------------------------------|-----------------|----------------|
| Maximale Leistung (P_{max}) | 305 | 310 |
| Maxmale Spannung (V_{mp}) | 33.0 | 33.3 |
| Maximaler Strom (I_{mp}) | 9.25 | 9.31 |
| Kurzschlussspannung (V_{oc}) | 40.3 | 40.5 |
| Kurzschlussstrom (I_{sc}) | 9.74 | 9.81 |
| Moduleffizienz (%) | 17.3 | 17.6 |
| Betriebstemperatur | -40 °C to 85 °C | |
| Maximale Systemspannung | 1000 V DC (IEC) | |
| Maximum Series Fuse Rating | 20 A | |
| Application Class | Class A | |
| Power Tolerance | 0/+5 W | |

STC: Irradiance 1000W/m², Cell temperature 25 °C, AM=1.5. Tolerances of P_{max} , V_{oc} and I_{sc} are within ±5%

| NMOT | SMF305M-5X12UW | SMF310M-5X12UW |
|------------------------------------|----------------|----------------|
| Maximum Power (P_{max}) | 229 | 233 |
| Maximum Power Voltage (V_{mp}) | 30.5 | 30.7 |
| Maximum Power Current (I_{mp}) | 7.51 | 7.59 |
| Open-circuit Voltage (V_{oc}) | 37.4 | 37.6 |
| Short-circuit Current (I_{sc}) | 7.96 | 8.04 |

NMOT: Irradiance 800W/m², Ambient temperature 20 °C, AM=1.5, Wind speed 1 m/s.

TECHNISCHE DATEN

| | |
|-----------------|---------------------------------------|
| Zelltechnologie | Monocrystalline silicon (158.75mm) |
| Anzahl Zellen | 60 (5×12) |
| Abmessungen | 2002×882×2 mm |
| Gewicht | 5.0kg |
| Rückseite | White |
| Rahmen | rahmenlos |
| Anschlussdose | IP 68 |
| Ausänge | Solarkabel 4.0 mm Länge (+)150 (-)450 |
| Stecker | MC4 |

VERPACKUNG

| | 20' GP | 40' HC |
|-----------------------------|--------|--------|
| Module pro Palette Paletten | 66 | 66 |
| pro Container | 660 | 1452 |