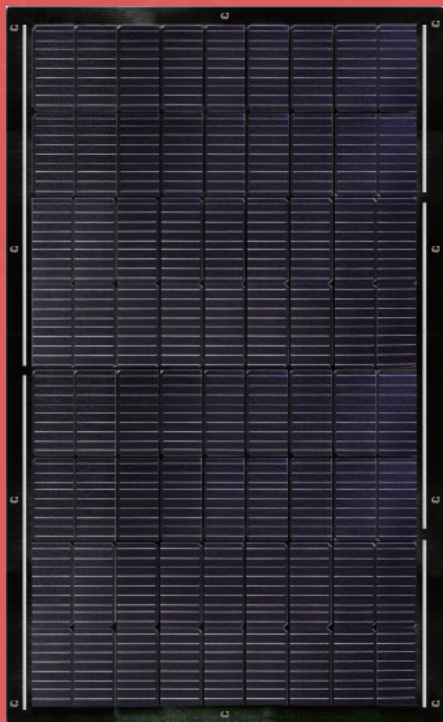


eArc

SMF200F-8X09DB-e

200 Watt

72 Half Cell Monocrystalline Module



Ultra-light: Glass free module weighs 2.8 kg, 70% lighter than conventional glass modules.



Aesthetic: Seamless integration with underlying installation surface.



Durable: eArc is the first glassless module to pass the same durability tests as conventional glass modules, including IEC 61215:2016, IEC61730:2016 and UL61730 (USA). eArc has also passed PID, salt mist and ammonia corrosion tests.

POWER OUTPUT RANGE 200 W

POWER TOLERANCE 0-5 W

LINEAR PERFORMANCE

CAUTION: Read installation manual before using the product.
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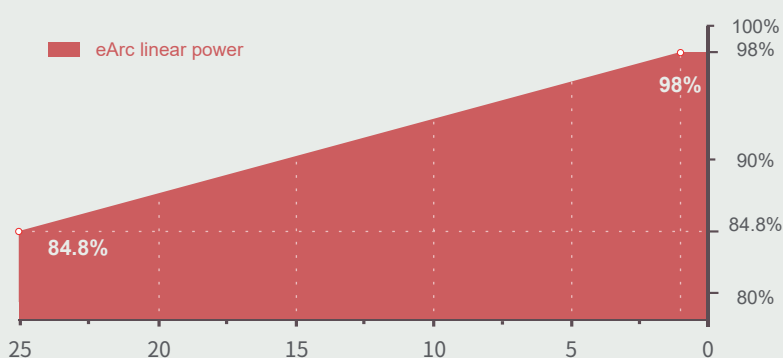
5 Year Product Warranty



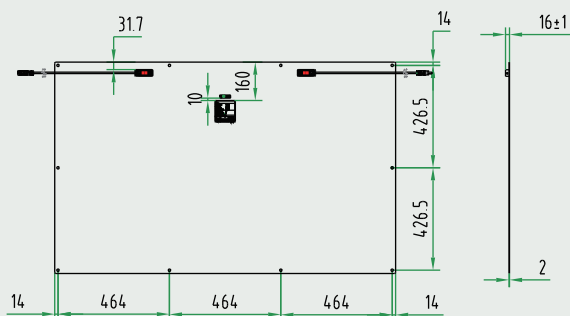
www.sunman-energy.com



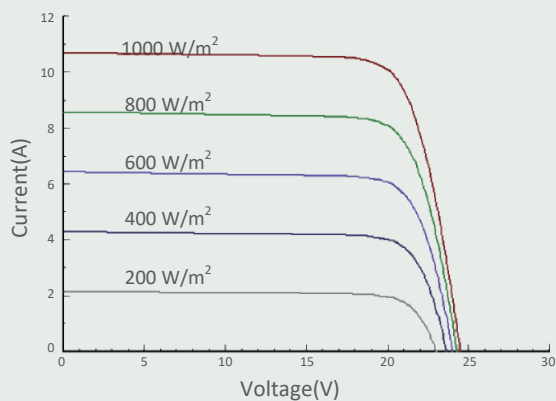
ULTRA-LIGHT & FLEXIBLE SOLAR PANEL



DIMENSIONS



I-V CURVE (200)



TEMPERATURE CHARACTERISTICS

Nominal Module Operating Temperature(NMOT) **41±2 °C**

Temperature Coefficient of P_{max} **-0.34 %/°C**

Temperature Coefficient of V_{oc} **-0.26 %/°C**

Temperature Coefficient of I_{sc} **0.033 %/°C**

Dealer information

SMFDB IEC EN 2024C 11

ELECTRICAL CHARACTERISTICS

STC	SMF200F-8X09DB-e
Maximum Power (P_{max})	200
Maximum Power Voltage (V_{mp})	20.7
Maximum Power Current (I_{mp})	9.65
Open-circuit Voltage (V_{oc})	24.5
Short-circuit Current (I_{sc})	10.69
Module Efficiency (%)	16.26
Operating Temperature	-40 °C to 85 °C
Maximum System Voltage	1500 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	SMF200F-8X09DB-e
Maximum Power (P_{max})	161.2
Maximum Power Voltage (V_{mp})	20.3
Maximum Power Current (I_{mp})	7.93
Open-circuit Voltage (V_{oc})	24.5
Short-circuit Current (I_{sc})	8.54

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

MECHANICAL CHARACTERISTICS

Solar Cell	Monocrystalline silicon(166mm half cell)
No. of Cells	72 (8×9)
Module Dimensions	1420×881×2 mm
Weight	2.8kg±3%
Backsheet	cell side Black
Frame	Frameless
J-box	IP 68 rated
Output Cables	Photovoltaic technology cable 4.0 mm 2, (+)450 / (-)450 mm
Connector	MC4

PACKAGING CONFIGURATION

	20' GP	40' HC
Module per pallet	66	66
Pieces per container	792	1848