

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 WARRANTY

CAUTION: Read installation manual before using the product.

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5 Year Product Warranty

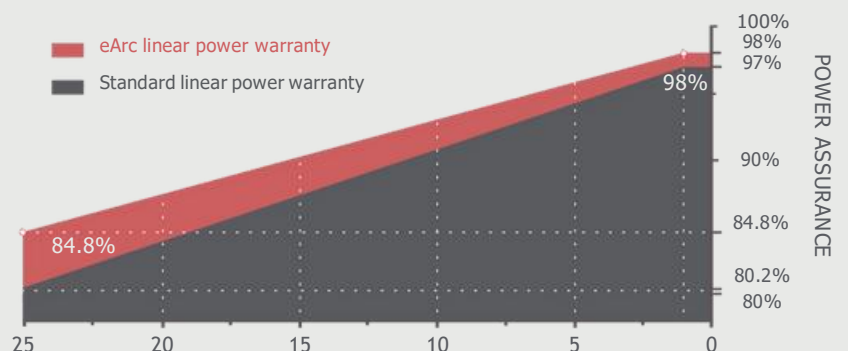


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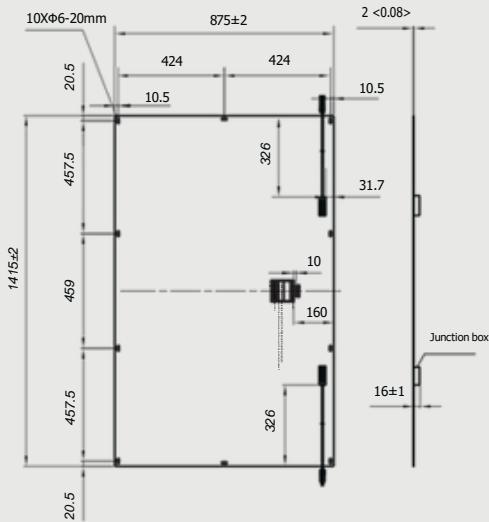
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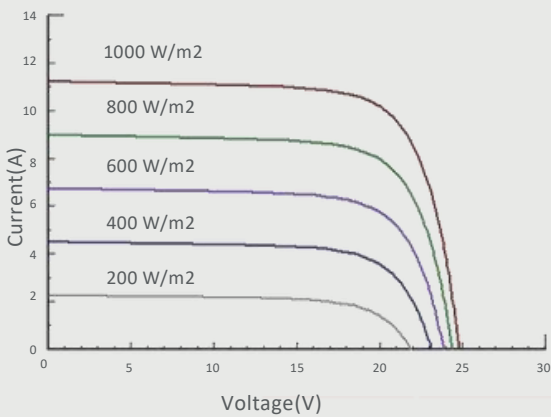
ULTRA-LIGHT & FLEXIBLE SOLAR PANEL



DIMENSIONS



I-V CURVE (200)



TEMPERATURE CHARACTERISTICS

Nominal Module Operating Temperature(NMOT) $41 \pm 2^\circ\text{C}$

Temperature Coefficient of P_{max} $-0.34 \text{ \%}/^\circ\text{C}$

Temperature Coefficient of V_{oc} $-0.26 \text{ \%}/^\circ\text{C}$

Temperature Coefficient of I_{sc} $0.033 \text{ \%}/^\circ\text{C}$



SMFDB IEC EN 2024B 5

ELECTRICAL CHARACTERISTICS

STC	SMF200F-8X09DB-e
Maximum Power (Pmax)	200
Maximum Power Voltage (Vmp)	20.7
Maximum Power Current (Imp)	9.65
Open-circuit Voltage (Voc)	24.5
Short-circuit Current (Isc)	10.69
Module Efficiency (%)	16.2
Operating Temperature	-40 °C to 85 °C
Maximum System Voltage	1500 V DC (IEC)
Maximum Series Fuse Rating	25 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}, Voc and I_{sc} are within ±5%

NMOT	SMF200F-8X09DB-e
Maximum Power (Pmax)	161.0
Maximum Power Voltage (Vmp)	16.10
Maximum Power Current (Imp)	20.3
Open-circuit Voltage (V _{oc})	24.5
Short-circuit Current (Isc)	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	1415×875×2 mm
Weight	2.8kg
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 compatible

PACKAGING CONFIGURATION

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