

BALCONY SERIES,
200 Watt

eArc
SMF200F-8X09DB-e

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

5 Year Product Warranty



www.sunman-energy.com

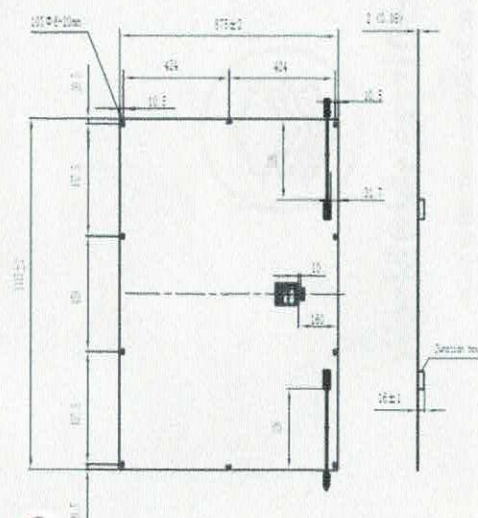
ULTRA-LIGHT & FLEXIBLE SOLAR PANEL

LINEAR PERFORMANCE WARRANTY

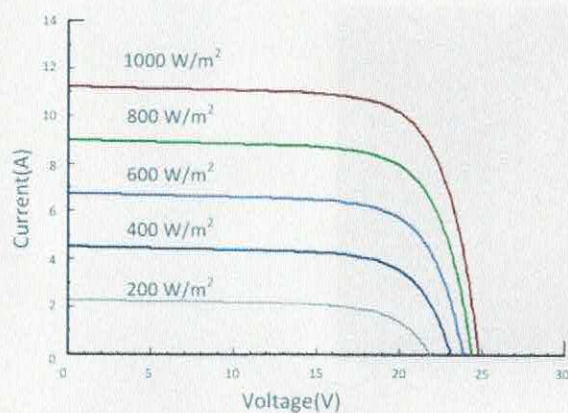
CAUTION Read installation manual before using the product.
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DIMENSIONS



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_{mp}	-0.26 %/°C
Temperature Coefficient of I_{sc}	0.033 %/°C

Dealer information

SMF200F IEC EN 2024B 5

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 (%)	16.2
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} , V_{mp} and I_{mp} are within ±5%

NMOT	SMF200F-8X09DB-e
Maximum Power (P_{max})	161.0
Maximum Power Voltage (V_{mp})	20.3
Maximum Power Current (I_{mp})	7.94
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	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



Ultra-light

The glass free module weighs **only 2.7 kg**



[Project Cases >](#)



Worldwide certifications

eArc is the first module of its kind
to pass the same durability and
safety tests as glass modules

including IEC 61215:2016, IEC 61730:2016, UL 61730 (USA)



[Sunman Quotation](#)



Aesthetic

Slick and seamless integration
with underlying installation surface