

# eArc

## SMF150M-6X05DB-e

# 150 Watt

## 30 Cell Monocrystalline Module



**Ultra-light:** Glass free module weighs 2.6 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 150 W

POWER TOLERANCE 0-5 W

### LINEAR PERFORMANCE WARRANTY

**12 Year Product Warranty**

**25 Year Linear Power Warranty**



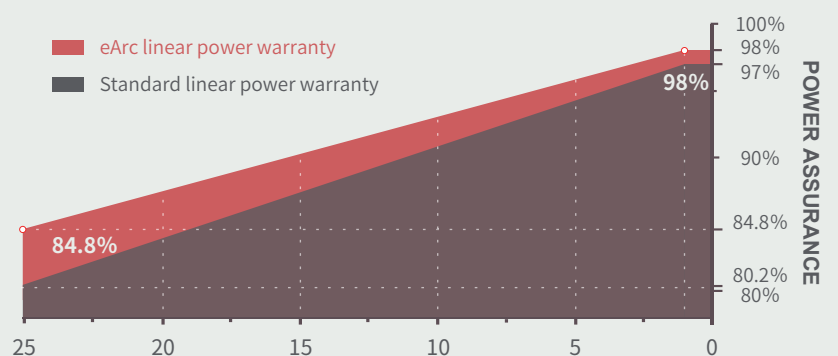
[www.sunman-energy.com](http://www.sunman-energy.com)



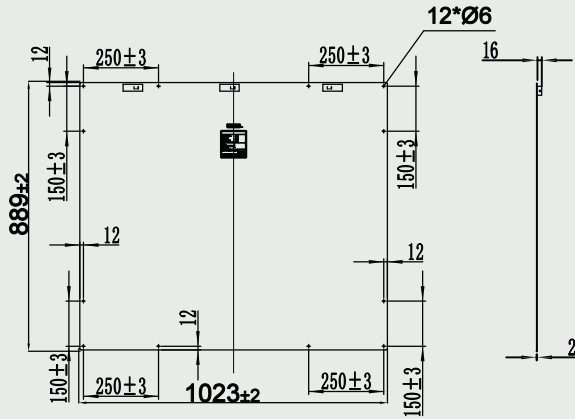
ULTRA-LIGHT & FLEXIBLE SOLAR PANEL

CAUTION: Read installation manual before using the product.

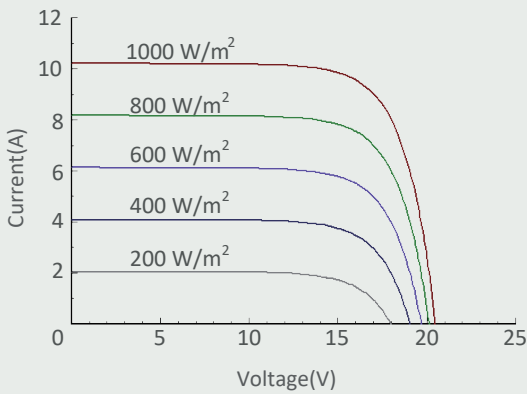
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## DIMENSIONS

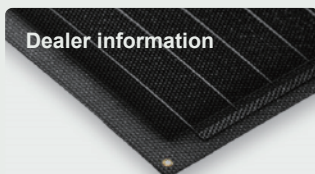


## I-V CURVE (150)



## TEMPERATURE CHARACTERISTICS

Nominal Module Operating Temperature(NMOT)	<b>41±2 °C</b>
Temperature Coefficient of $P_{max}$	<b>-0.38 %/°C</b>
Temperature Coefficient of $V_{oc}$	<b>-0.28 %/°C</b>
Temperature Coefficient of $I_{sc}$	<b>0.020 %/°C</b>



SMFDB IEC EN 2023B 6

## ELECTRICAL CHARACTERISTICS

STC	SMF150M-6X05DB-e
Maximum Power ( $P_{max}$ )	150
Maximum Power Voltage ( $V_{mp}$ )	15.74
Maximum Power Current ( $I_{mp}$ )	9.67
Open-circuit Voltage ( $V_{oc}$ )	20.49
Short-circuit Current ( $I_{sc}$ )	10.21
Module Efficiency (%)	16.5
Operating Temperature	-40 °C to 85 °C
Maximum System Voltage	1000 V DC (IEC)
Maximum Series Fuse Rating	20 A
Application Class	Class A
Power Tolerance	0/+5 W

STC: Irradiance 1000W/m<sup>2</sup>, Cell temperature 25°C, AM=1.5.

Tolerances of  $P_{max}$ ,  $V_{oc}$  and  $I_{sc}$  are within ±5%

NMOT	SMF150M-6X05DB-e
Maximum Power ( $P_{max}$ )	120.1
Maximum Power Voltage ( $V_{mp}$ )	16.3
Maximum Power Current ( $I_{mp}$ )	7.39
Open-circuit Voltage ( $V_{oc}$ )	20.4
Short-circuit Current ( $I_{sc}$ )	8.14

NMOT: Irradiance 800W/m<sup>2</sup>, Ambient temperature 20°C, AM=1.5, Wind speed 1 m/s.

## MECHANICAL CHARACTERISTICS

Solar Cell	Monocrystalline silicon (158.75mm)
No. of Cells	30 (6×5)
Module Dimensions	1023×889×2 mm
Weight	2.6kg
Backsheet	Black
Frame	Frameless
J-box	IP 68 rated
Output Cables	Photovoltaic technology cable 4.0 mm 2, (+)450 mm / (-)450 mm
Connector	MC4 compatible

## PACKAGING CONFIGURATION

	20' GP	40' HC
Module per pallet	66+86	66+86
Pieces per container	1216	2736