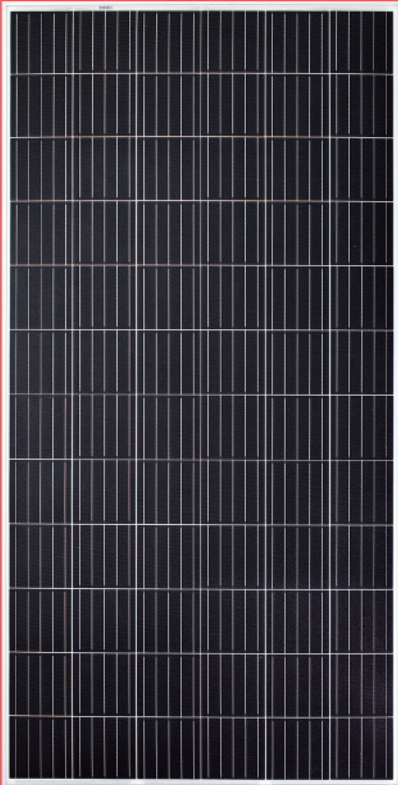


# eArc

## SMB375M-6X12DW

# 375 Watt

## 72 Cell Monocrystalline Module



**Ultra-light:** Glass free module weighs 9.4 kg, 60% lighter than conventional glass modules.



**Fast-Installation:** Ease of handling results in shorter time on roof and streamlined safety management.



**No Light Pollution:** Glass-free design significantly reduces light pollution.



**Durable:** eArc is the first glassless module to pass the same durability tests as conventional glass modules, including IEC 61215:2016, IEC61730:2016 and UL1703 (USA). eArc has also passed PID, salt mist and ammonia corrosion tests.

POWER OUTPUT RANGE 370~375 W

POWER TOLERANCE 0-5 W

**10 Year Product Warranty**

**25 Year Linear Power Warranty**



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

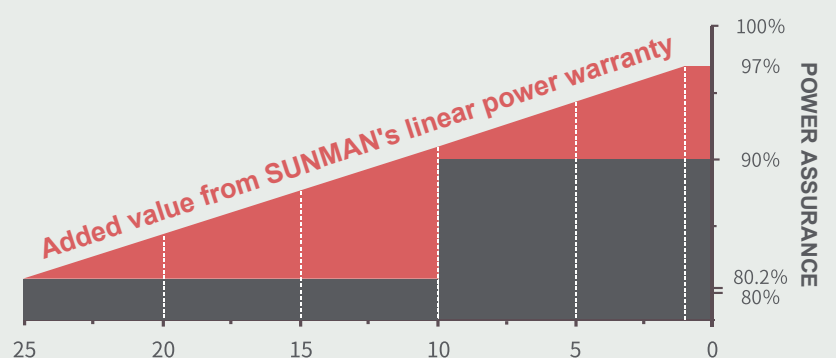


ULTRA-LIGHT & FLEXIBLE SOLAR PANEL

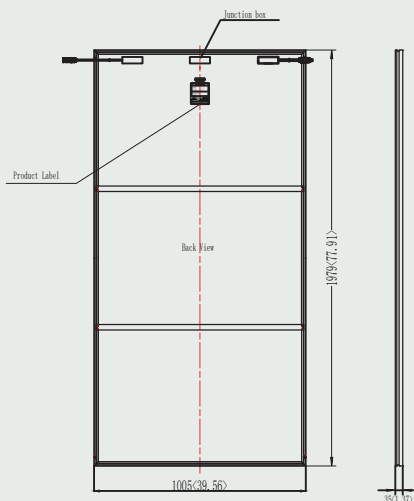
### LINEAR PERFORMANCE WARRANTY

CAUTION: Read installation manual before using the product.

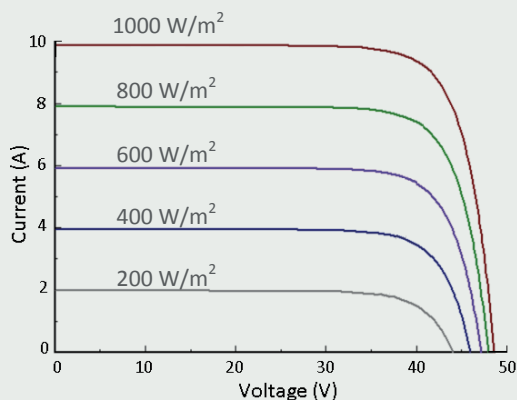
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## DIMENSIONS



## I-V CURVE (375)



## TEMPERATURE CHARACTERISTICS

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**



SMBDW/IEC EN 2020B

## ELECTRICAL CHARACTERISTICS

STC	SMB370M-6X12DW	SMB375M-6X12DW
Maximum Power ( $P_{max}$ )	370	375
Maximum Power Voltage ( $V_{mp}$ )	39.9	40.2
Maximum Power Current ( $I_{mp}$ )	9.28	9.33
Open-circuit Voltage ( $V_{oc}$ )	48.4	48.6
Short-circuit Current ( $I_{sc}$ )	9.81	9.86
Module Efficiency (%)	18.6	18.9
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	SMB370M-6X12DW	SMB375M-6X12DW
Maximum Power ( $P_{max}$ )	278	282
Maximum Power Voltage ( $V_{mp}$ )	36.8	37.0
Maximum Power Current ( $I_{mp}$ )	7.56	7.63
Open-circuit Voltage ( $V_{oc}$ )	45.1	45.3
Short-circuit Current ( $I_{sc}$ )	8.00	8.07

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	72 (6×12)
Module Dimensions	1979×1005×35 mm
Weight	9.4kg
Backsheet	White
Frame	Anodized Aluminium Alloy
J-box	IP 68 rated
Output Cables	Photovoltaic technology cable 4.0 mm 2, (+)150 / (-)450 mm
Connector	MC4 compatible

## PACKAGING CONFIGURATION

	20' GP	40' HC
Module per pallet	30	30
Pieces per container	180	660