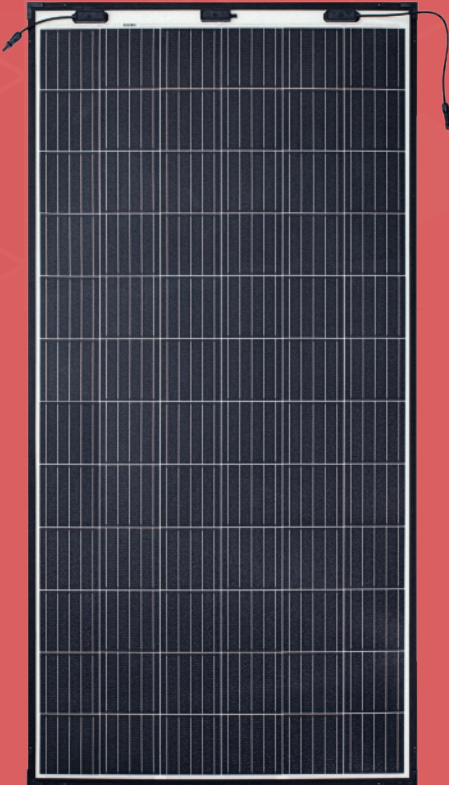


# eArc

## SMD375M-6X12UW

# 375 Watt

## 72 Cell Monocrystalline Module



**Ultra-light:** Glass free module weighs 6.9 kg, 70% lighter than conventional glass modules.



**Fast-Installation:** Through "Quick-Bonding" installation, eArc requires no penetration, reduces time on roof by 40% and eliminates the use of mounting hardware.



**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 and IEC61730:2016

POWER OUTPUT RANGE 370~375 W

POWER TOLERANCE 0-5 W

MADE IN CHINA

**LINEAR PERFORMANCE WARRANTY**

**10 Year Product Warranty**

**25 Year Linear Power Warranty**



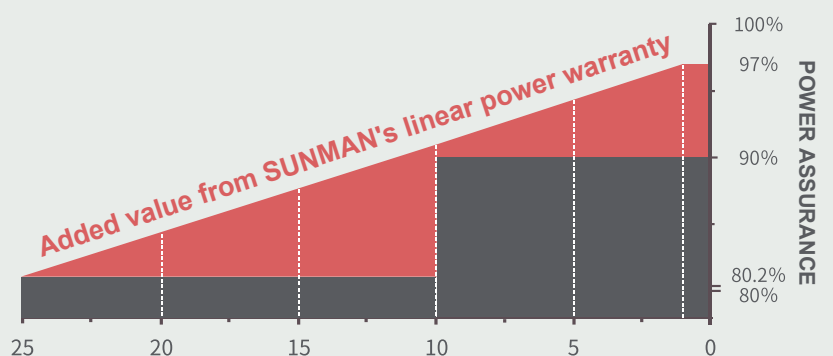
[www.sunman-energy.com](http://www.sunman-energy.com)



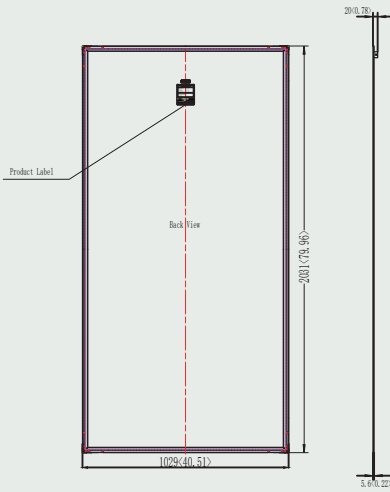
ULTRA-LIGHT & FLEXIBLE SOLAR PANEL

CAUTION: Read installation manual before using the product.

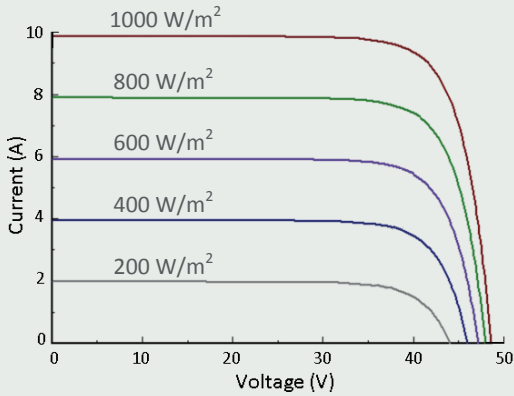
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## DIMENSIONS



## I-V CURVE (375)



## TEMPERATURE CHARACTERISTICS

|                                            |                   |
|--------------------------------------------|-------------------|
| Nominal Module Operating Temperature(NOMT) | <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> |

Fire resistance:  
C in accordance with UL 790



SMD Series has been certified to install on color-bond steel roof sheeting and Zincalume. Any other roof sheeting install requires consultation with Sunman or its local importer. Installation of SMD series requires sika™Sikasil SG 20 Silicone Adhesive.

SMDUW/IEC AU 2020B

## ELECTRICAL CHARACTERISTICS

| STC                                | SMD375M-6X12UW  | SMD370M-6X12UW |
|------------------------------------|-----------------|----------------|
| Maximum Power ( $P_{max}$ )        | 375             | 370            |
| Maximum Power Voltage ( $V_{mp}$ ) | 40.2            | 39.9           |
| Maximum Power Current ( $I_{mp}$ ) | 9.33            | 9.28           |
| Open-circuit Voltage ( $V_{oc}$ )  | 48.6            | 48.4           |
| Short-circuit Current ( $I_{sc}$ ) | 9.86            | 9.81           |
| Module Efficiency (%)              | 17.9            | 17.7           |
| 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                               | SMD375M-6X12UW | SMD370M-6X12UW |
|------------------------------------|----------------|----------------|
| Maximum Power ( $P_{max}$ )        | 282            | 278            |
| Maximum Power Voltage ( $V_{mp}$ ) | 37.0           | 36.8           |
| Maximum Power Current ( $I_{mp}$ ) | 7.63           | 7.56           |
| Open-circuit Voltage ( $V_{oc}$ )  | 45.3           | 45.1           |
| Short-circuit Current ( $I_{sc}$ ) | 8.07           | 8.00           |

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 | 2031×1029×5.6 mm                                           |
| Weight            | 6.9 kg                                                     |
| Backsheet         | White                                                      |
| Frame             | Black Anodized Aluminium Alloy                             |
| J-box             | IP 68 rated                                                |
| Output Cables     | Photovoltaic technology cable 4.0 mm 2, (+)150 / (-)450 mm |
| Connector         | Dawning: C1                                                |

## PACKAGING CONFIGURATION

|                      | 20' GP | 40' HC |
|----------------------|--------|--------|
| Module per pallet    | 30+50  | 50     |
| Pieces per container | 400    | 1000   |