

eArc

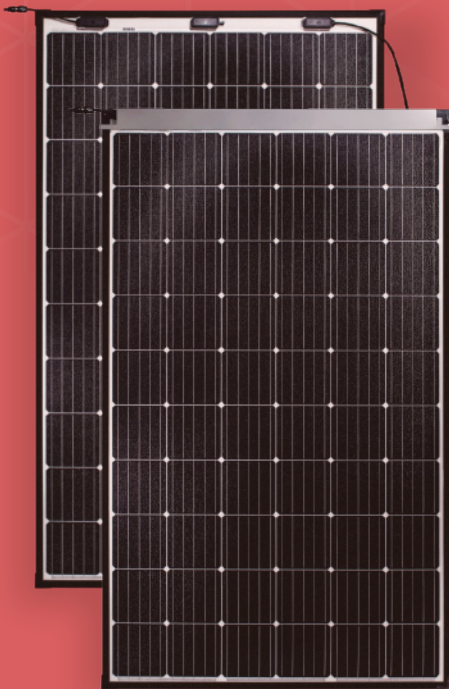
SMD295M-6X10UW

295 Watt

60 Cell Monocrystalline Module

POWER OUTPUT RANGE 295 W

POWER TOLERANCE 0-5 W



Ultra-light: Glass free solar module weighs 3.3 kg per m². 70% less than conventional glass modules.



Fast-Installation: Through “quick-bonding” installation, eArc reduces time on roof by 40% and eliminates the need of conventional mounting hardware.



Aesthetic: Seamless integration with underlying roofing surface.



Durable: eArc is the first glassless module to pass the same durability tests (IEC61215:2016) as conventional glass modules.

MADE IN CHINA

LINEAR PERFORMANCE WARRANTY

10 Year Product Warranty

25 Year Linear Power Warranty



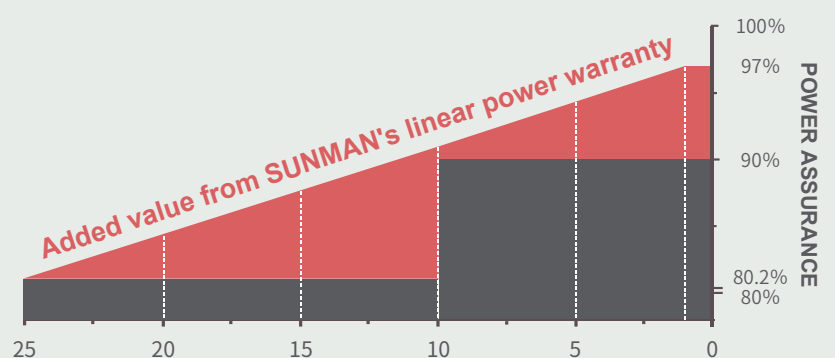
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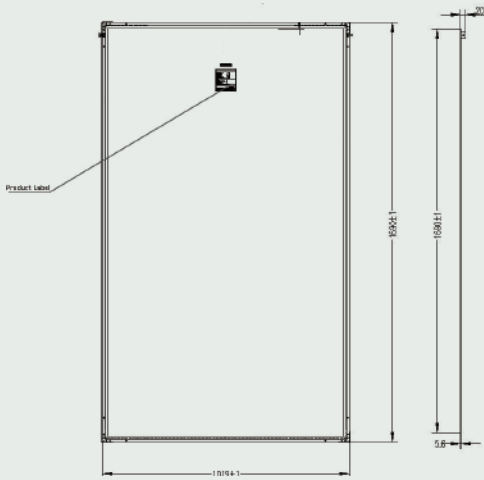
ULTRA-LIGHT & FLEXIBLE SOLAR PANEL

CAUTION: Read installation manual before using the product.

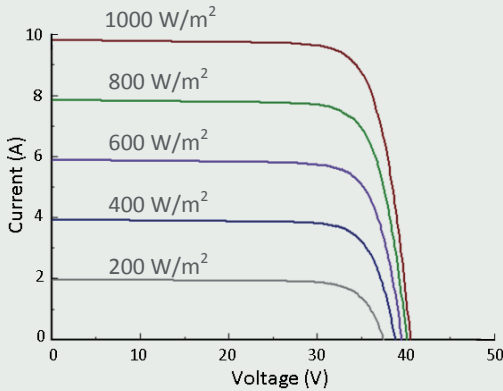
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DIMENSIONS



I-V CURVE (295)



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 |

Fire resistance: **C** in accordance with UL 790

Dealer's Stamp:

ELECTRICAL CHARACTERISTICS

| STC | SMD295M-6X10UW | SMD290M-6X10UW |
|------------------------------------|-----------------|----------------|
| Maximum Power (P_{max}) | 295 | 290 |
| Maximum Power Voltage (V_{mp}) | 32.8 | 32.6 |
| Maximum Power Current (I_{mp}) | 9.00 | 8.90 |
| Open-circuit Voltage (V_{oc}) | 40.1 | 39.9 |
| Short-circuit Current (I_{sc}) | 9.52 | 9.43 |
| Module Efficiency (%) | 17.1 | 16.8 |
| 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/m², Cell temperature 25°C, AM=1.5. Tolerances of P_{max} , V_{oc} and I_{sc} are within ±5%

| NMOT | SMD355M-6X12UW | SMD350M-6X12UW |
|------------------------------------|----------------|----------------|
| Maximum Power (P_{max}) | 223 | 214 |
| Maximum Power Voltage (V_{mp}) | 30.3 | 29.9 |
| Maximum Power Current (I_{mp}) | 7.36 | 7.16 |
| Open-circuit Voltage (V_{oc}) | 37.2 | 36.9 |
| Short-circuit Current (I_{sc}) | 7.76 | 7.61 |

NMOT: Irradiance 800W/m², Ambient temperature 20°C, AM=1.5, Wind speed 1 m/s.

MECHANICAL CHARACTERISTICS

| | |
|-------------------|--|
| Solar Cell | Monocrystalline silicon (6 inches) |
| No. of Cells | 60 (6×10) |
| Module Dimensions | 1690×1019×5.6 mm |
| Weight | 5.6 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 | 80 | 50 |
| Pieces per container | 480 | 1200 |