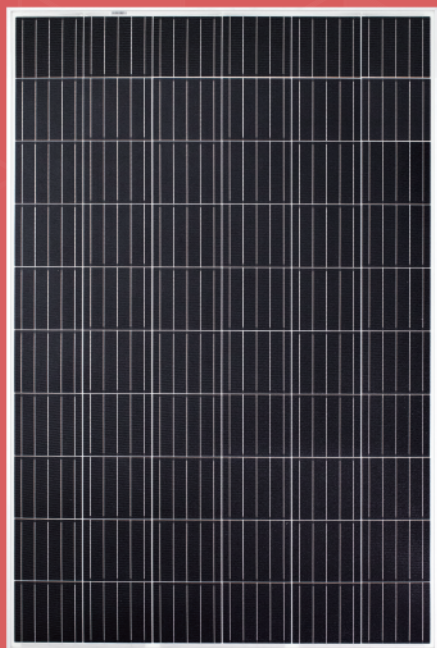


eArc

SMA310M-6X10DW

310 Watt

60 Cell Monocrystalline Module



Ultra-light: Glass free module weighs 8.1 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 305~310 W

POWER TOLERANCE 0-5 W

10 Year Product Warranty

25 Year Linear Power Warranty

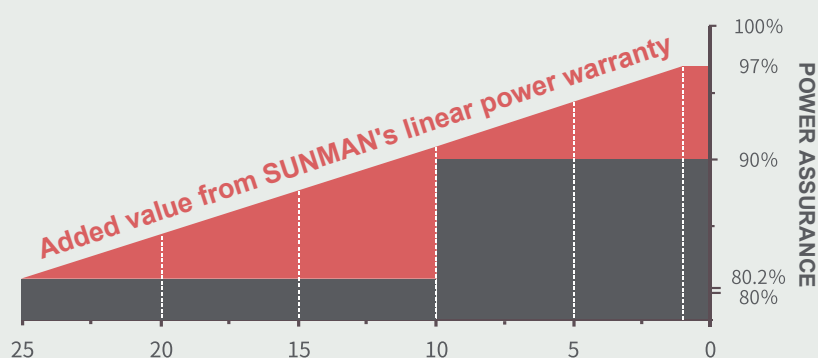


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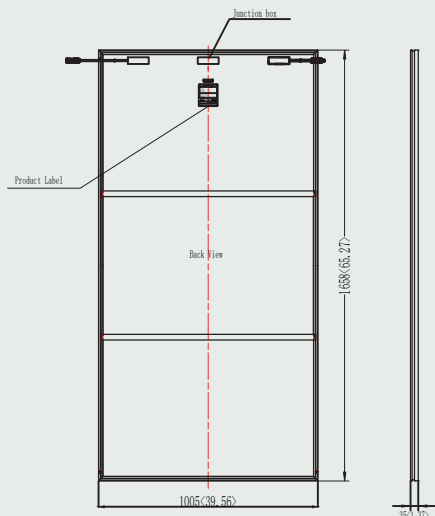
LINEAR PERFORMANCE WARRANTY

CAUTION: Read installation manual before using the product.

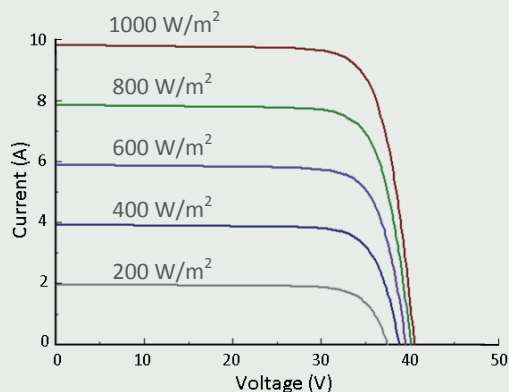
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DIMENSIONS



I-V CURVE (310)



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**



SMADW IEC EN 2020B

ELECTRICAL CHARACTERISTICS

STC	SMA305M-6X10DW	SMA310M-6X10DW
Maximum Power (P _{max})	305	310
Maximum Power Voltage (V _{mp})	33.0	33.3
Maximum Power Current (I _{mp})	9.25	9.31
Open-circuit Voltage (V _{oc})	40.3	40.5
Short-circuit Current (I _{sc})	9.74	9.81
Module Efficiency (%)	18.3	18.6
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 ² , Cell temperature 25 °C, AM=1.5.		
Tolerances of P _{max} , V _{oc} and I _{sc} are within ±5%		

NMOT	SMA305M-6X10DW	SMA310M-6X10DW
Maximum Power (P_{max})	229	233
Maximum Power Voltage (V_{mp})	30.5	30.7
Maximum Power Current (I_{mp})	7.51	7.59
Open-circuit Voltage (V_{oc})	37.4	37.6
Short-circuit Current (I_{sc})	7.96	8.04
NMOT: Irradiance 800W/m ² , Ambient temperature 20 °C, AM=1.5, Wind speed 1 m/s.		

MECHANICAL CHARACTERISTICS

Solar Cell	Monocrystalline silicon (158.75mm)
No. of Cells	60 (6×10)
Module Dimensions	1658×1005×35 mm
Weight	8.1kg
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	780