

eArc

SMD360F-6X20DW

360 Watt

120 Half Cell Monocrystalline Module



Ultra-light: Glass free module weighs 7.1 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, IEC61730:2016.

POWER OUTPUT RANGE 355~360 W

POWER TOLERANCE 0-5 W

MADE IN CHINA

LINEAR PERFORMANCE WARRANTY

10 Year Product Warranty

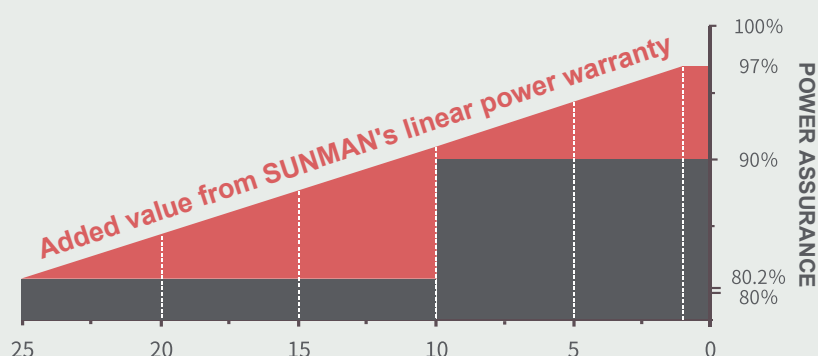
25 Year Linear Power Warranty



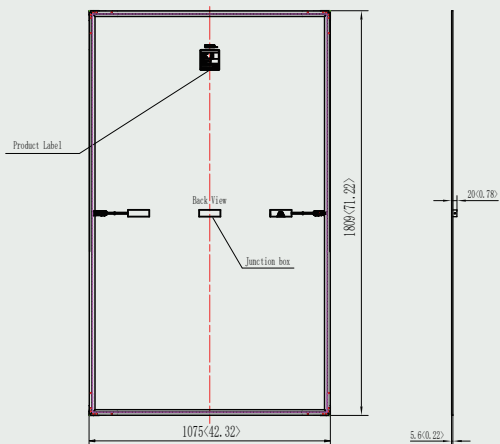
www.sunman-energy.com

CAUTION: Read installation manual before using the product.

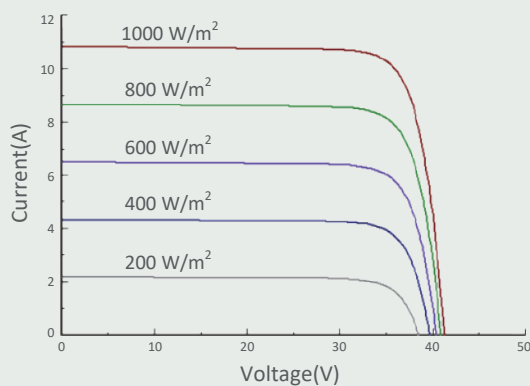
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DIMENSIONS



I-V CURVE (360)



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**



SMD and SMF series panels have been certified to installed on Colorbond roof sheeting and Zincalume. Any other roof sheeting install requires consultation with Sunman or its local importer. Installation of SMD and SMF series panels require Sika Sikasil SG-20 or Tonsan 1527. Mounting module with clamps is not suitable. Please refer to installation manual for mounting method.


SMDW/IEC AU 2021A

ELECTRICAL CHARACTERISTICS

STC	SMD355F-6X20DW	SMD360F-6X20DW
Maximum Power (P _{max})	355	360
Maximum Power Voltage (V _{mp})	34.7	34.9
Maximum Power Current (I _{mp})	10.24	10.32
Open-circuit Voltage (V _{oc})	41.1	41.3
Short-circuit Current (I _{sc})	10.72	10.82
Module Efficiency (%)	18.3	18.5
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 ² , Cell temperature 25 °C , AM=1.5.		
Tolerances of P _{max} , V _{oc} and I _{sc} are within ±5%		

NMOT	SMD355F-6X20DW	SMD360F-6X20DW
Maximum Power (P_{max})	268.4	272.2
Maximum Power Voltage (V_{mp})	32.0	32.2
Maximum Power Current (I_{mp})	8.39	8.46
Open-circuit Voltage (V_{oc})	38.6	38.8
Short-circuit Current (I_{sc})	8.69	8.77
NMOT: Irradiance 800W/m², Ambient temperature 20 °C, AM=1.5, Wind speed 1 m/s.		

MECHANICAL CHARACTERISTICS

Solar Cell	Monocrystalline silicon(166mm half cell)
No. of Cells	120 (6×20)
Module Dimensions	1809×1075×5.6 mm
Weight	7.1kg
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	50+40	50
Pieces per container	540	1200

eArc

SMD430F-6X24DW

430 Watt

144 Half Cell Monocrystalline Module



Ultra-light: Glass free module weighs 8.3 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, IEC61730:2016.

POWER OUTPUT RANGE 425~430 W

POWER TOLERANCE 0-5 W

MADE IN CHINA

LINEAR PERFORMANCE WARRANTY

10 Year Product Warranty

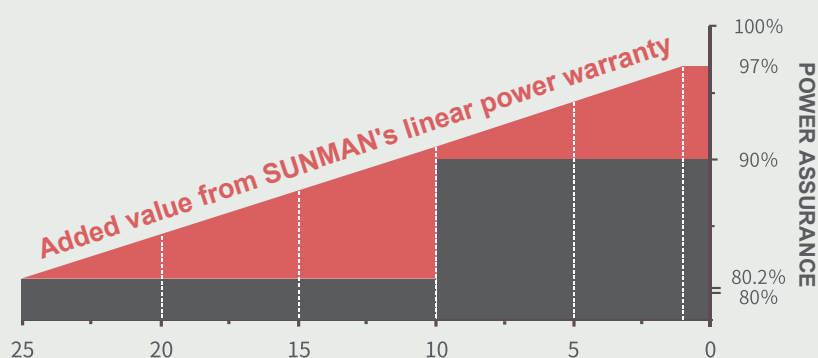
25 Year Linear Power Warranty



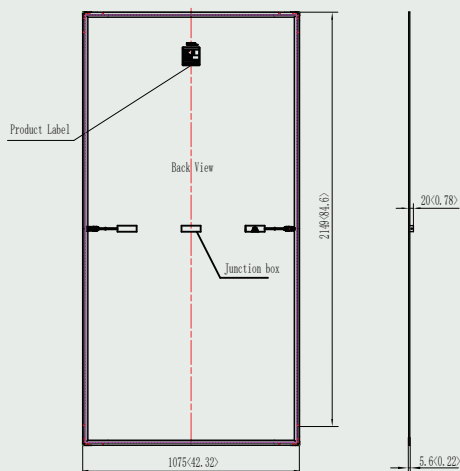
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CAUTION: Read installation manual before using the product.

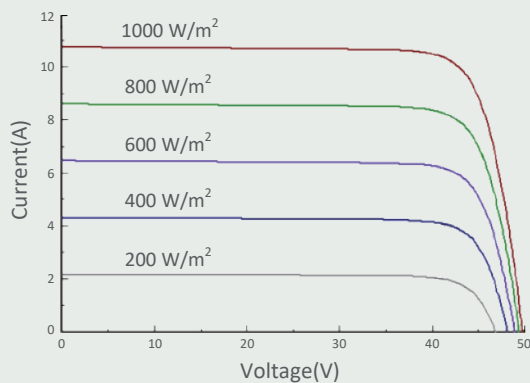
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DIMENSIONS



I-V CURVE (430)



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**



SMD and SMF series panels have been certified to installed on Colorbond roof sheeting and Zincalume.
Any other roof sheeting install requires consultation with Sunman or its local importer.
Installation of SMD and SMF series panels require Sika Sikasil SG-20 or Tonsan 1527.
Mounting module with clamps is not suitable.
Please refer to installation manual for mounting method.


SMD425F-6X24DW

ELECTRICAL CHARACTERISTICS

STC	SMD425F-6X24DW	SMD430F-6X24DW
Maximum Power (P_{max})	425	430
Maximum Power Voltage (V_{mp})	41.8	42.0
Maximum Power Current (I_{mp})	10.17	10.24
Open-circuit Voltage (V_{oc})	49.6	49.8
Short-circuit Current (I_{sc})	10.67	10.74
Module Efficiency (%)	18.4	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	SMD425F-6X24DW	SMD430F-6X24DW
Maximum Power (P_{max})	321.4	325.1
Maximum Power Voltage (V_{mp})	38.6	38.8
Maximum Power Current (I_{mp})	8.33	8.38
Open-circuit Voltage (V_{oc})	46.6	46.8
Short-circuit Current (I_{sc})	8.64	8.69
NMOT: Irradiance 800W/m ² , Ambient temperature 20 °C, AM=1.5, Wind speed 1 m/s.		

MECHANICAL CHARACTERISTICS

Solar Cell	Monocrystalline silicon(166mm half cell)
No. of Cells	144 (6×24)
Module Dimensions	2149×1075×5.6 mm
Weight	8.3kg
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	50+40	50
Pieces per container	450	1000