SUNMAN
SOLAR SPECIALIST

360 Watt

eArche

72 Cell Monocrystalline Module

Ultra-light: Through replacement of the glass and optimization of the frame eArche weighs as 70% less than conventional PV panels.

Flexible: eArche combines a unique, patented material with other industry-leading technologies to produce superior flexible crystalline-silicon panel which can be installed on curved surface.

Aesthetics: Aesthetically pleasing design with patented materials and sophisticated manufacturing process results in a high-efficiency, attractive panel, with no light pollution, PID-free operation and high levels of safety.

Easy Installation: eArche can reduce installation cost by up to 50% through the use of re-engineered components, ease of handling and faster installation.

Transportation: eArche's innovative frame and low weight will very significantly reduce the cost of transportation.

Deployment: Ultra-light weight, flexibility and customizable size make eArche the best choice to change the way how solar is deployed in the market and bring added value to special applications.

Durability: eArche panels are certified to withstand maximum test load (2400 Pascal), while special materials and stringent quality control ensure panel longevity.

2400pa

LINEAR PERFORMANCE WARRANTY

10 Year Product Warranty

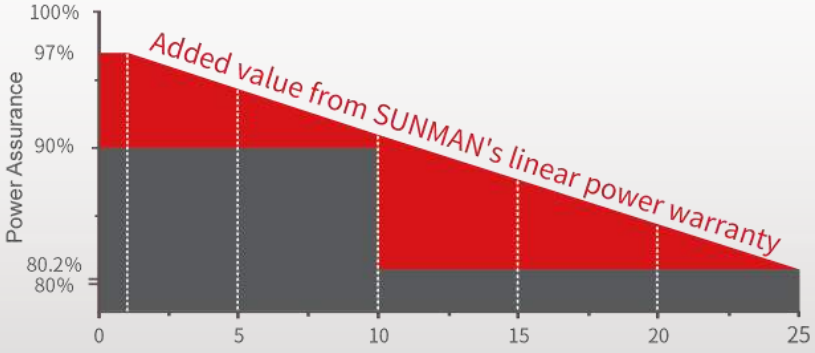
25 Year Linear Power Warranty

355-360 W

POWER OUTPUT RANGE

0-5 W

POWER TOLERANCE



www.sunman-energy.com

SMD360M-6X12DW

SMD355M-6X12DW

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Electrical Characteristics

STC	SMD360M-6X12DW	SMD355M-6X12DW
Maximum Power (P_{max})	360	355
Maximum Power Voltage (V_{mp})	39.8	39.5
Maximum Power Current (I_{mp})	9.05	8.99
Open-circuit Voltage (V_{oc})	48.3	48.1
Short-circuit Current (I_{sc})	9.57	9.51
Module Efficiency (%)	17.9	17.6
Operating Temperature（℃）	-40 ℃ to 85 ℃	
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℃, AM=1.5.
Tolerances of P_{max}, V_{oc} and I_{sc} are within ±5%

NMOT	SMD360M-6X12DW	SMD355M-6X12DW
Maximum Power (P_{max})	270	266
Maximum Power Voltage (V_{mp})	36.6	36.4
Maximum Power Current (I_{mp})	7.38	7.31
Open-circuit Voltage (V_{oc})	44.9	44.7
Short-circuit Current (I_{sc})	7.83	7.76

NMOT: Irradiance 800W/m^2, Ambient temperature 20℃, AM=1.5, Wind speed 1 m/s.

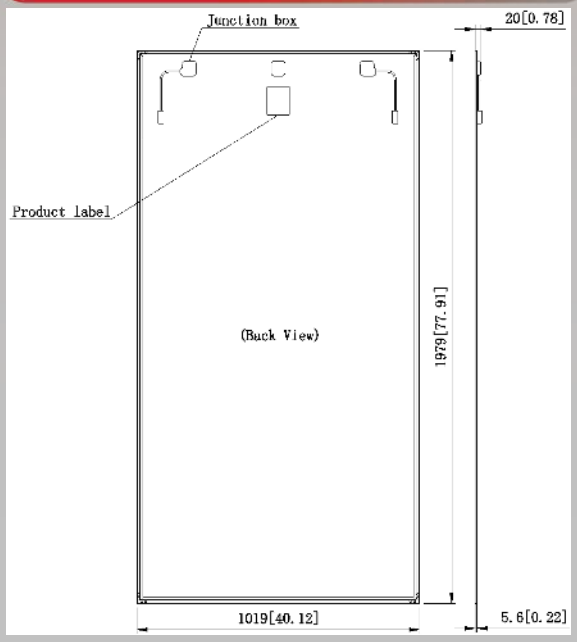
Mechanical Characteristics

Solar Cell	Monocrystalline silicon (6 inches)
No. of Cells	72 (6×12)
Module Dimensions	1979×1019×5.6 mm (77.9×40.1×0.2 inch)
Weight	6.5 kgs (14.3 lbs)
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	MC4 compatible

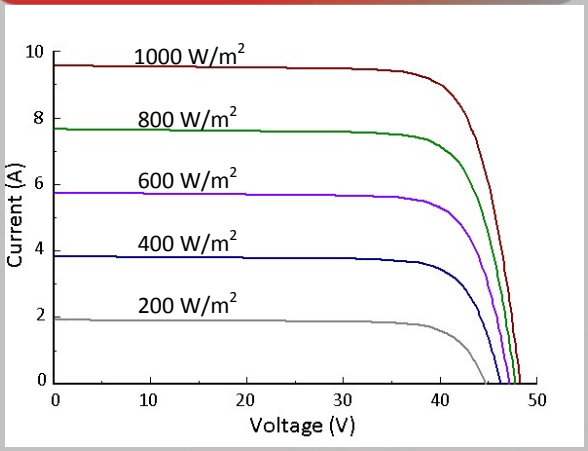
Packaging Configuration

	20' GP	40' HC
Module per pallet	80	50
Pieces per container	400	1100

Dimensions



I-V Curve (360)



Temperature Characteristics

Nominal Module Operating Temperature(NMOT)	41±2 ℃
Temperature Coefficient of Pmax	-0.38 %/℃
Temperature Coefficient of Voc	-0.28 %/℃
Temperature Coefficient of Isc	0.020 %/℃

Dealer Information

SMDDW_IEC_EN_2019A

CAUTION: Read installation manual before using the product.