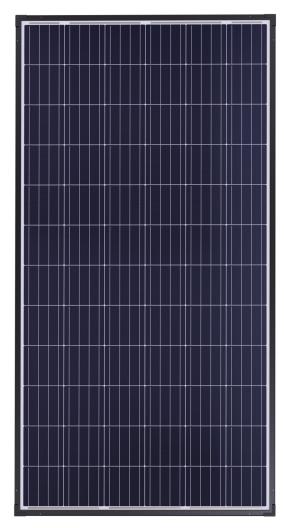




320 Watt

72 Cell Polycrystalline 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.

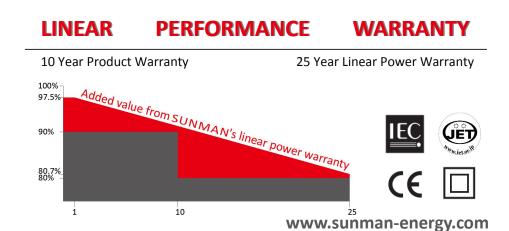
Durability: eArche panels are certified to withstand extreme wind (2400 Pascal) and snow loads (5400 Pascal), while special materials and stringent quality control ensure panel longevity.

315-320 W

POWER OUTPUT RANGE

0-5 W

POWER TOLERANCE



SMD315P-6X12



Electrical Characteristics				
STC	SMD320P-6X12	SMD315P-6X12		
Maximum Power (P _{max})	320	315		
Maximum Power Voltage (V _{mp})	38.2	37.9		
Maximum Power Current (I _{mp})	8.38	8.32		
Open-circuit Voltage (Voc)	45.9	45.7		
Short-circuit Current (I _{sc})	8.88	8.82		
Module Efficiency (%)	15.9	15.6		
Operating Temperature (°C)	-40 °C to 85 °C			
Maximum System Voltage	600 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 $^{\circ}\mathrm{C}$, AM=1.5.

NOCT	SMD320P-6X12	SMD315P-6X12
Maximum Power (P _{max})	236	232
Maximum Power Voltage (V _{mp})	34.9	34.7
Maximum Power Current (I _{mp})	6.77	6.69
Open-circuit Voltage (V _{oc})	42.5	42.3
Short-circuit Current (I _{sc})	7.17	7.09

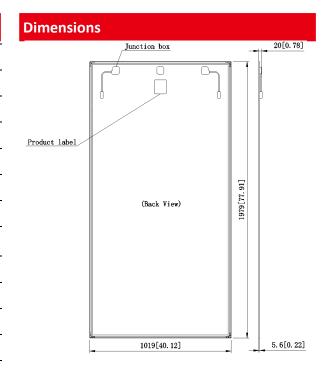
NOCT: Irradiance 800W/m 2 , Ambient temperature 20 $^{\circ}$ C, Wind speed 1 m/s.

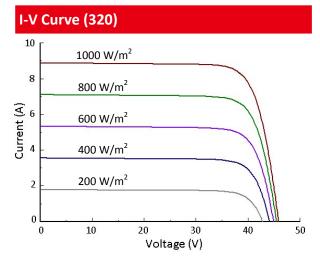
Mechanical Characteristics

Solar Cell	Polycrystalline silicon (6 inches)
No. of Cells	72 (6×12)
Module Dimensions	1979×1019×5.6 mm (77.9×40.1×0.2 inch)
Weight	7.7 kgs (17.0 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	54	54	
Pieces per container	270	1080	

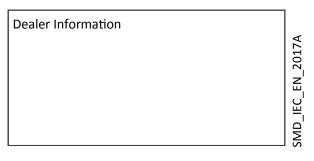




Nominal Operating Cell Temperature (NOCT)	45±2 ℃
Temperature Coefficient of Pmax	-0.41 %/℃
Temperature Coefficient of Voc	-0.30 %/℃

Temperature Characteristics

Temperature Coefficient of Isc 0.048 %/℃



CAUTION: Read installation manual before using the product.