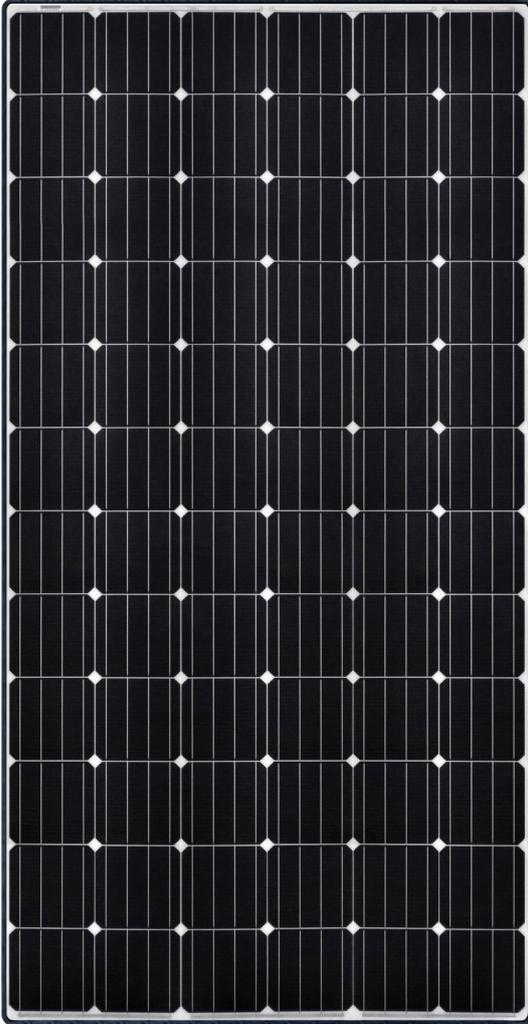


## 325 Watt

# 72 Cell Monocrystalline Module

## Features



**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.

**320-325 W**

**POWER OUTPUT RANGE**

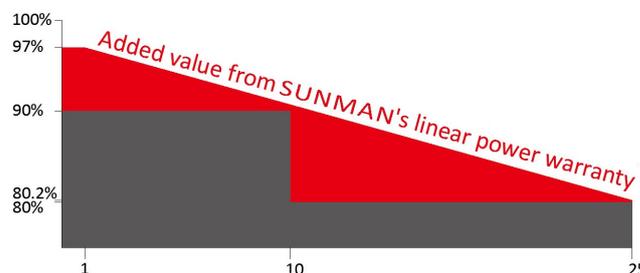
**0-5 W**

**POWER TOLERANCE**

## LINEAR PERFORMANCE WARRANTY

10 Year Product Warranty

25 Year Linear Power Warranty



**Electrical Characteristics**

STC	SMS325M-6X12	SMS320M-6X12
Maximum Power ( $P_{max}$ )	325	320
Maximum Power Voltage ( $V_{mp}$ )	38.5	38.2
Maximum Power Current ( $I_{mp}$ )	8.45	8.38
Open-circuit Voltage ( $V_{oc}$ )	46.1	45.9
Short-circuit Current ( $I_{sc}$ )	8.96	8.88
Module Efficiency (%)	16.7	16.4
Operating Temperature ( $^{\circ}C$ )	-40 $^{\circ}C$ to 85 $^{\circ}C$	
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/m<sup>2</sup>, Cell temperature 25 $^{\circ}C$ , AM=1.5.

NOCT	SMS325M-6X12	SMS320M-6X12
Maximum Power ( $P_{max}$ )	240	236
Maximum Power Voltage ( $V_{mp}$ )	35.1	34.9
Maximum Power Current ( $I_{mp}$ )	6.84	6.77
Open-circuit Voltage ( $V_{oc}$ )	42.7	42.5
Short-circuit Current ( $I_{sc}$ )	7.24	7.17

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

**Mechanical Characteristics**

Solar Cell	Monocrystalline silicon (6 inches)
No. of Cells	72 (6 × 12)
Module Dimensions	1956×996×6 mm (77.0×39.2×0.2 inch)
Weight	7.4 kgs (16.3 lbs)
Backsheet	White
Frame	Black EPDM
J-box	IP 68 rated
Output Cables	Photovoltaic technology cable 4.0 mm <sup>2</sup> , (+)150 / (-)450 mm
Connector	MC4 compatible

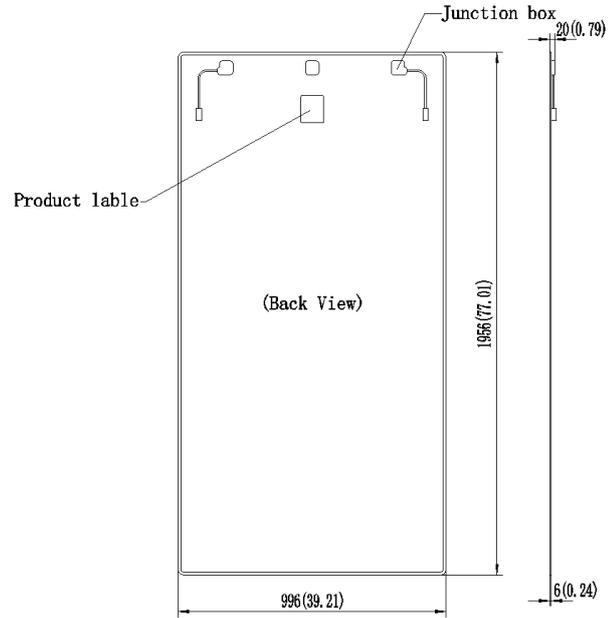
**Packaging Configuration**

	20' GP	40' HC
Module per pallet	50	50
Pieces per container	250	1000

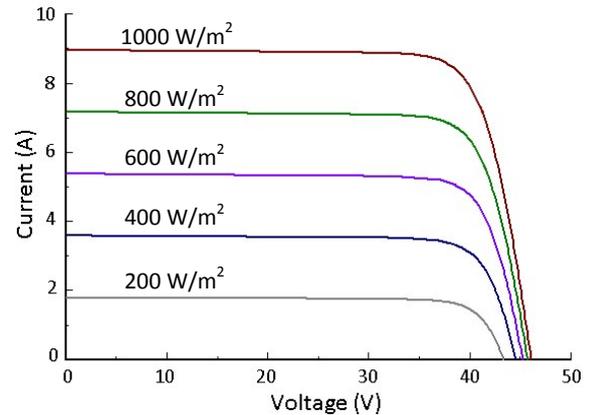
CAUTION: Read installation manual before using the product.

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**Dimensions**



**I-V Curve (325)**



**Temperature Characteristics**

Nominal Operating Cell Temperature (NOCT)	45 ± 2 $^{\circ}C$
Temperature Coefficient of Pmax	-0.42 %/ $^{\circ}C$
Temperature Coefficient of Voc	-0.31 %/ $^{\circ}C$
Temperature Coefficient of Isc	0.050 %/ $^{\circ}C$

Dealer Information

SMS\_IEC\_EN\_2017C