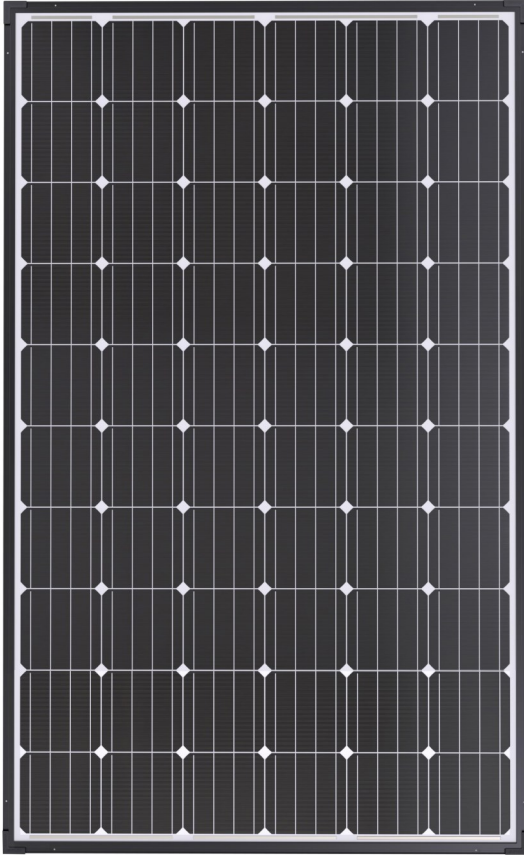


## 270 Watt

# 60 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.

**265-270 W**

**POWER OUTPUT RANGE**

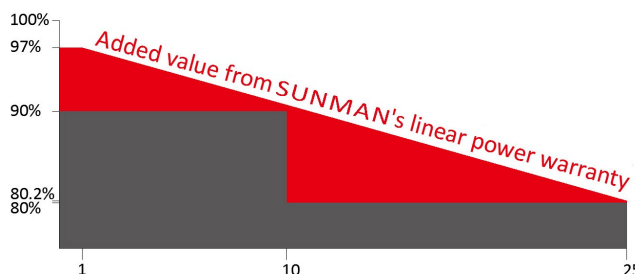
**0-5 W**

**POWER TOLERANCE**

## LINEAR PERFORMANCE WARRANTY

10 Year Product Warranty

25 Year Linear Power Warranty



## SMD270M-6X10



## SMD265M-6X10

### Electrical Characteristics

STC	SMD270M-6X10	SMD265M-6X10
Maximum Power ( $P_{max}$ )	270	265
Maximum Power Voltage ( $V_{mp}$ )	32.1	31.9
Maximum Power Current ( $I_{mp}$ )	8.42	8.31
Open-circuit Voltage ( $V_{oc}$ )	39.0	38.9
Short-circuit Current ( $I_{sc}$ )	8.88	8.77
Module Efficiency (%)	15.9	15.6
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	SMD270M-6X10	SMD265M-6X10
Maximum Power ( $P_{max}$ )	201	197
Maximum Power Voltage ( $V_{mp}$ )	29.7	29.5
Maximum Power Current ( $I_{mp}$ )	6.77	6.68
Open-circuit Voltage ( $V_{oc}$ )	36.0	35.9
Short-circuit Current ( $I_{sc}$ )	7.13	7.04

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	60 (6 × 10)
Module Dimensions	1662×1019×5.6 mm (65.4×40.1×0.2 inch)
Weight	6.6 kgs (14.6 lbs)
Backsheet	White
Frame	Black Anodized Aluminium Alloy
J-box	IP 68 rated
Output Cables	Photovoltaic technology cable 4.0 mm <sup>2</sup> , (+)150 / (-)450 mm
Connector	MC4 compatible

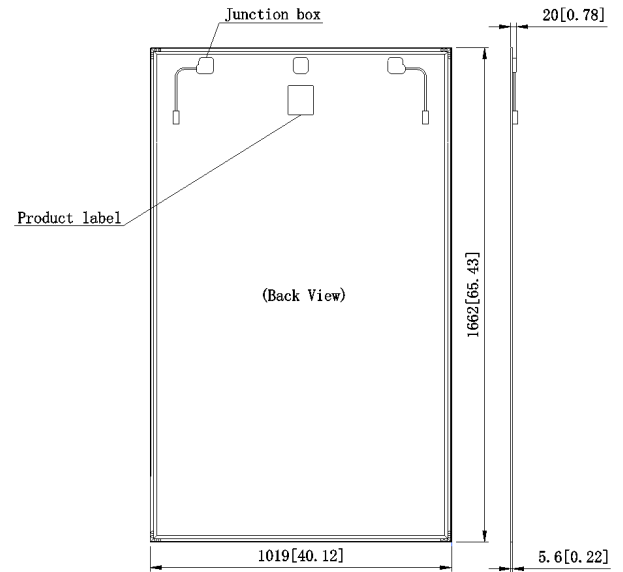
### Packaging Configuration

	20' GP	40' HC
Module per pallet	66	66
Pieces per container	396	1848

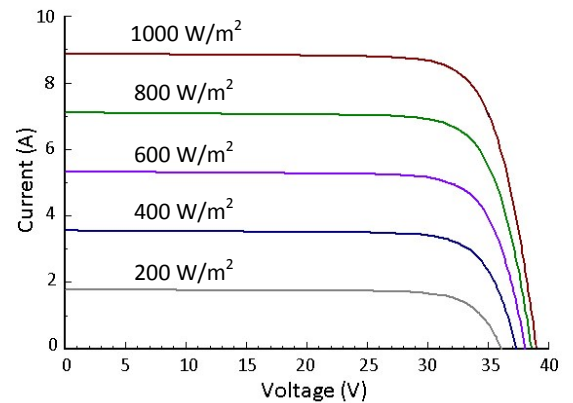
**CAUTION:** Read installation manual before using the product.

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### Dimensions



### I-V Curve (270)



### 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

SMD\_IEC\_EN\_2017A