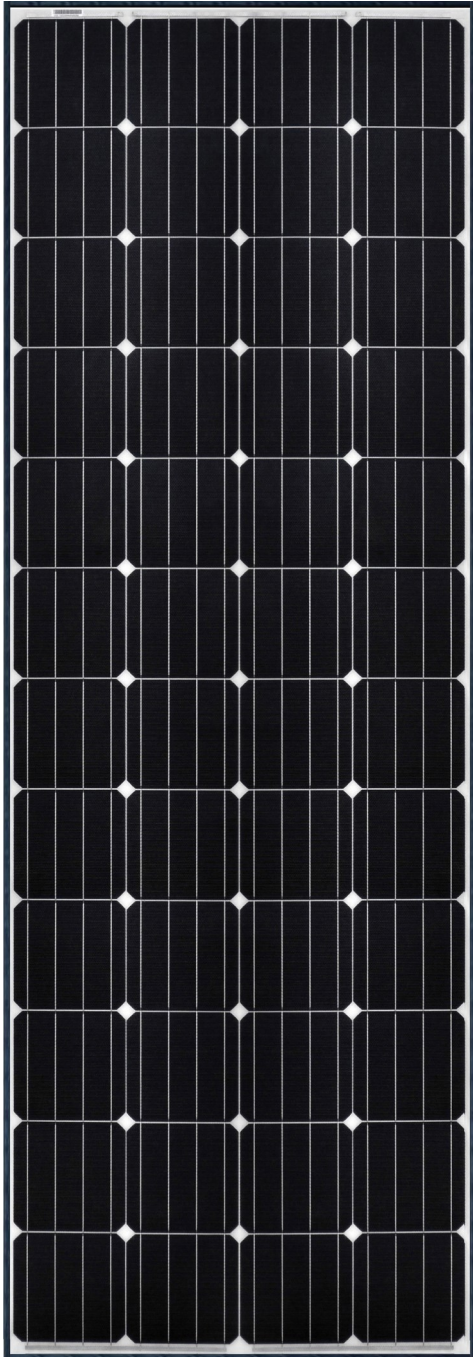


215 Watt

48 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.

210-215 W

POWER OUTPUT RANGE

0-5 W

POWER TOLERANCE

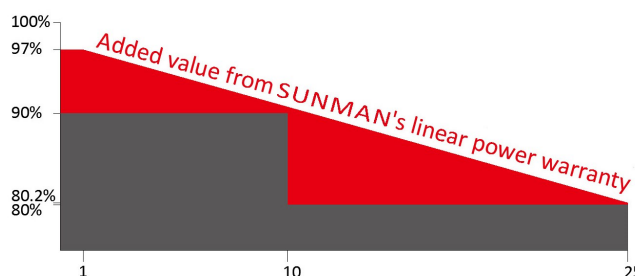
LINEAR

PERFORMANCE

WARRANTY

10 Year Product Warranty

25 Year Linear Power Warranty



Electrical Characteristics

STC	SMS215M-4X12	SMS210M-4X12
Maximum Power (P_{max})	215	210
Maximum Power Voltage (V_{mp})	25.7	25.4
Maximum Power Current (I_{mp})	8.37	8.27
Open-circuit Voltage (V_{oc})	31.0	30.8
Short-circuit Current (I_{sc})	8.83	8.73
Module Efficiency (%)	16.7	16.3
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/m², Cell temperature 25 $^{\circ}C$, AM=1.5.

STC	SMS215M-4X12	SMS210M-4X12
Maximum Power (P_{max})	160	156
Maximum Power Voltage (V_{mp})	23.6	23.4
Maximum Power Current (I_{mp})	6.78	6.67
Open-circuit Voltage (V_{oc})	28.8	28.6
Short-circuit Current (I_{sc})	7.11	7.00

NOCT: Irradiance 800W/m², Ambient temperature 20 $^{\circ}C$, Wind speed 1 m/s.

Mechanical Characteristics

Solar Cell	Monocrystalline silicon (6 inches)	
No. of Cells	48 (4X12)	
Module Dimensions	Quick Bonding	1950X660X6mm (76.8X26.0X0.2 inch)
	Pre-installed ribs	1950X660X19mm (76.8X26.0X0.7 inch)
Weight	Quick Bonding	5.1 kgs (11.2 lbs)
	Pre-installed ribs	6.1 kgs (13.4 lbs)
Backsheet	White	
J-box	IP 68 rated	
Output Cables	Photovoltaic technology cable 4.0 mm ² , (+)150 / (-)450 mm	
Connector	MC4 compatible	

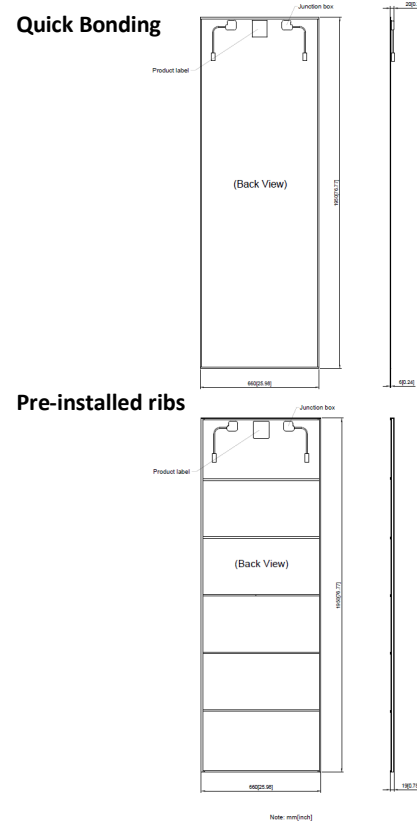
Packaging Configuration

		20' GP	40' HC
Quick Bonding	Module per pallet	66	66
	Pieces per container	660	2376
Pre-installed ribs	Module per pallet	60	60
	Pieces per container	600	2160

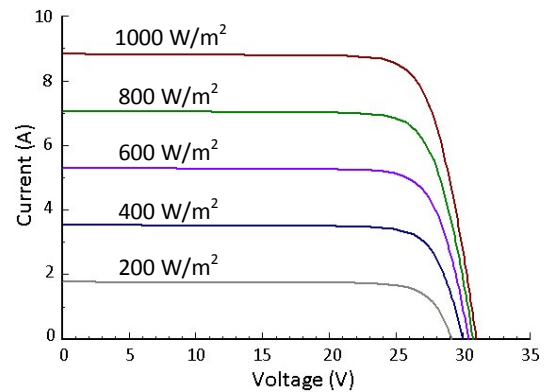
CAUTION: Read installation manual before using the product.

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Dimensions



I-V Curve (215)



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_2016B