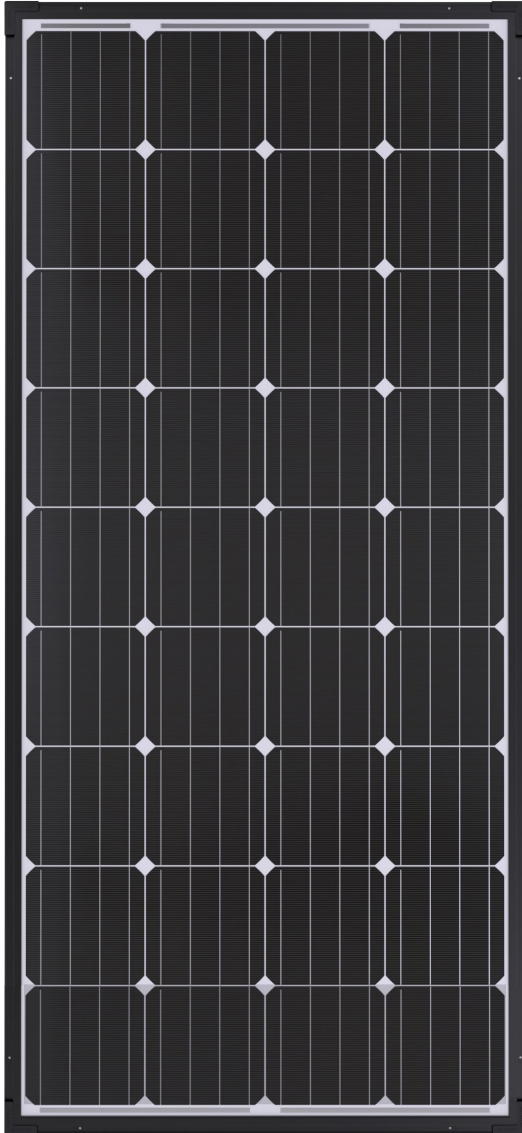


## 160 Watt

# 36 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 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.

**155-160 W**

**POWER OUTPUT RANGE**

**0-5 W**

**POWER TOLERANCE**

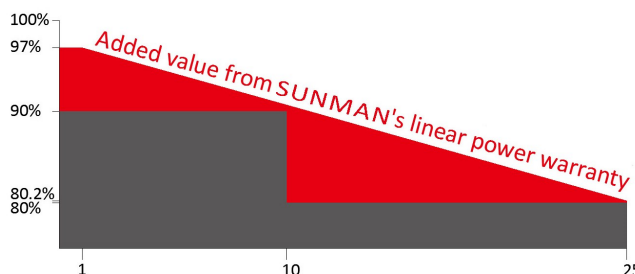
## LINEAR

## PERFORMANCE

## WARRANTY

10 Year Product Warranty

25 Year Linear Power Warranty



### Electrical Characteristics

STC	SMD160M-4X09	SMD155M-4X09
Maximum Power ( $P_{max}$ )	160	155
Maximum Power Voltage ( $V_{mp}$ )	19.1	18.8
Maximum Power Current ( $I_{mp}$ )	8.38	8.25
Open-circuit Voltage ( $V_{oc}$ )	23.0	22.8
Short-circuit Current ( $I_{sc}$ )	8.88	8.75
Module Efficiency (%)	15.5	15.0
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.

STC	SMD160M-4X09	SMD155M-4X09
Maximum Power ( $P_{max}$ )	118	114
Maximum Power Voltage ( $V_{mp}$ )	17.5	17.3
Maximum Power Current ( $I_{mp}$ )	6.75	6.60
Open-circuit Voltage ( $V_{oc}$ )	21.3	21.1
Short-circuit Current ( $I_{sc}$ )	7.16	7.03

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	36 (4×09)
Module Dimensions	1503×689×5.6 mm (59.2×27.1×0.2 inch)
Weight	3.9 kgs (8.6 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	TL-CABLE01  通灵电器 TONGLIN ELECTRIC

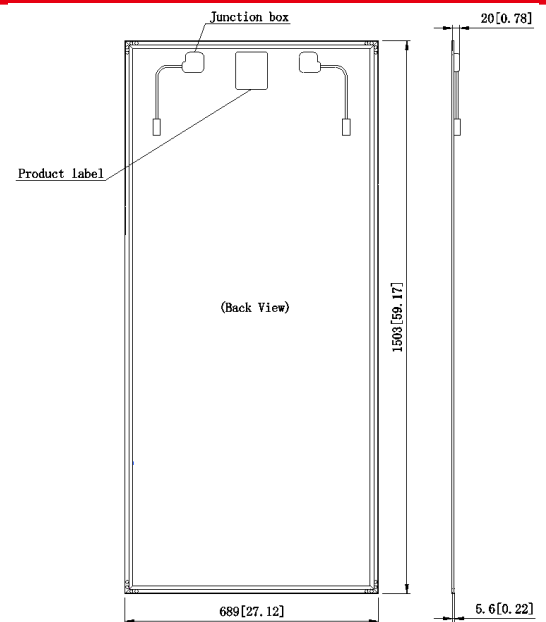
### Packaging Configuration

	20' GP	40' HC
Module per pallet	66	66
Pieces per container	924	3168

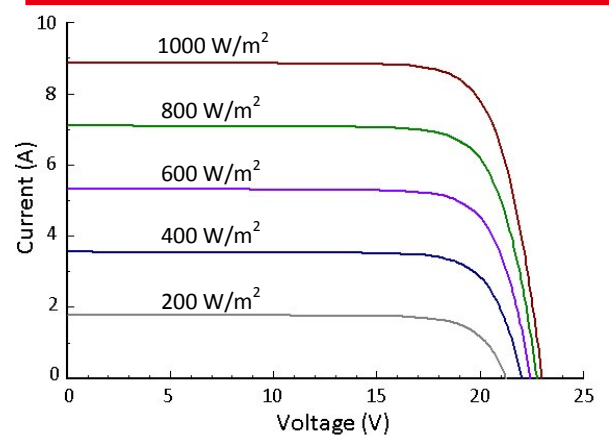
**CAUTION:** Read installation manual before using the product.

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### Dimensions



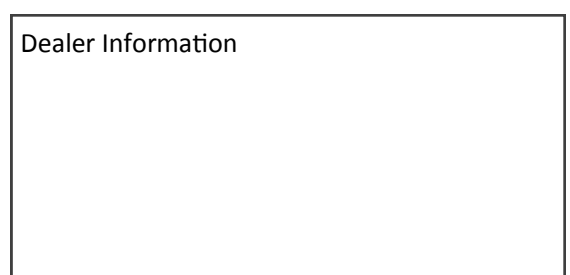
### I-V Curve (160)



### 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



Made in China