

# BI-156-200W

## 200 Watt Module

# DATA SHEET

## Key Features

- Module contains 54 series connected 156 × 156 mm square
- Multi-crystalline silicon solar cells
- Designed to accommodate remote battery charging or grid connected application
- Tolerance of  $\pm 5\%$  ensures that you receive the power that you purchase
- Advanced processing technology and automated production facilities with high quality standards
- Aluminum anodized frame and tempered glass laminate provides for maximum protection in rugged applications
- Junction box with “Plug-n-Play” leads provides ease of installation
- Two bypass diodes for additional cell protection
- UL 1703 and IEC 61215 certification
- Limited Peak Power Warranty for 25 years



## Electrical Specifications at STC

1000W/m<sup>2</sup>, 25°C, AM1.5

Typical Power	200 W
Minimum Power	190 W
Voltage at Typical Power	26.6 V
Current at Typical Power	7.51 A
Open Circuit Voltage	32.72 V
Short Circuit Current	7.9 A

## Mechanical Specifications

	Metric	English
Length	1428 mm	58.35 in
Width	992 mm	39.06 in
Depth	50 mm	1.97 in
Weight	17.9 kg	39.55 lbs



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Temperature Sensitivities For Nominal 200 watt Module:

Power:  $-1.00\text{W}/^{\circ}\text{C}$

Open-Circuit Voltage:  $-0.115\text{V}/^{\circ}\text{C}$

Short-Circuit Current:  $+0.0026\text{A}/^{\circ}\text{C}$

Qualification Test Parameters:

Humidity Freeze, Damp Heat: 85%RH, 1000hrs

Temperature Cycling:  $-40^{\circ}\text{C}$  to  $+90^{\circ}\text{C}$ , 200 cycles

Electrical Isolation: 2200 Vdc

Static Load front and back: 2,400 Pa

Hailstone Impact: 25mm steel ball at 23m/s

### Module Diagram

