



DATA SHEET

BI-156-160W 160Watt module

- Module contains 48 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
- Designed to meet UL 1703 and IEC 61215 certification
- Limited Peak Power Warranty for 20 years



Electrical Specifications at STC

1000W/m², 25°C, AM1.5

Typical Power	160 W
Minimum Power	147 W
Voltage at Typical Power	23.6 V
Current at Typical Power	6.57A
Open Circuit Voltage	28.94 V
Short Circuit Current	7.35A

Mechanical Specifications

	Metric	English
Length	1324 mm	52.13 in
Width	992 mm	39.06 in
Depth	50 mm	1.97 in
Weight	16.34 kg	36.0 lbs

Temperature Sensitivities For Nominal 160 watt Module:

Power: -0.775W/°C

Open-Circuit Voltage: -0.101V/°C

Short-Circuit Current: +0.0022A/°C

Qualification Test Parameters:

Humidity Freeze, Damp Heat: 85%RH, 1000hrs Temperature Cycling: -40°C to +90°C, 200cycles
 Electrical Isolation: 2200 Vdc Static Load front and back: 2,400Pa
 Hailstone Impact: 25mm steel ball at 23m/s

Module Diagram

