



DATA SHEET

BI-156-120W 120Watt module

- Module contains 36 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/m², 25°C, AM1.5

Typical Power	120 W
Minimum Power	114 W
Voltage at Typical Power	17.6 V
Current at Typical Power	6.81 A
Open Circuit Voltage	21.82 V
Short Circuit Current	7.46 A

Mechanical Specifications

	Metric	English
Length	1480 mm	58.27 in
Width	676 mm	26.61 in
Depth	50 mm	1.97 in
Weight	12.83 kg	28.3 lbs

Temperature Sensitivities For Nominal 120 watt Module:

Power: -0.6 W/°C

Open-Circuit Voltage: -0.077V/°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: 2200Vdc Static Load front and back: 2,400Pa

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

Module Diagram

