



## DATA SHEET

### BI-125-170W-G36V 170Watt module

- Module contain 72series connected 125×125 mm square monocrystalline silicon solar cells
- Designed to accommodate remote battery charging or grid connected application
- Tolerance of ± 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
- Three 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/m<sup>2</sup>,25°C,AM1.5

Typical Power	170W
Minimum Power	161W
Voltage at Typical Power	35.6V
Current at Typical Power	4.77A
Open Circuit Voltage	43.99V
Short Circuit Current	5.17A

#### Mechanical Specifications

	Metric	English
Length	1580mm	62.2in
Width	808mm	31.8in
Depth	50mm	1.96in
Weigh	15.63kg	34.41lbs

#### Temperature Sensitivities For Nominal 170 watt Module:

Power: -0.85 W/°C  
 Open-Circuit Voltage: -0.1540V/°C  
 Short-Circuit Current:+0.0017A/°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

