

**156' CELL POLY SOLAR MODULE 80Wp**

**PRODUCT SPECIFICATION**

Type Of Module	BL-SP80		
Maximum Power (W)	80	Solar Cell	156*93 Poly
Tolerance (%)	0~+3%	Number of Cell(pcs)	4*9
Open Circuit Voltage (V)	22.2	Front Glass Thickness(mm)	3.2
Short Circuit Current (A)	4.8	Surface Maximum Load Capacity	2400-5400Pa
Maximum Power Voltage (V)	18.2	Allowable Hail Load	23m/s ,7.53g
Maximum Power Current (A)	4.39	Frame(Material Corners,etc)	35#
Module Efficiency (%)	14.2	Backing (Brand Type)	TPT
Solar Cell Efficiency (%)	17.3	FF (%)	70-76%
Series Fuse Rating (A)	10	Standard Test Conditions	AM1.5 1000W/㎡ 25°C
Size(MM)	845*670*30	Temperature Coefficients of Isc(%)°C	0.04
Weight(KG)	6.7	Temperature Coefficients of Voc(%)°C	-0.35
Terminal Box	IP65	Temperature Coefficients of Pm(%)°C	-0.45
Maximum system voltage (V)	DC1000	Temperature Coefficients of Im(%)°C	0.04
Operating Temperature(°C)	-40°C ---85°C	Temperature Coefficients of Vm(%)°C	-0.35



**PRODUCT FEATURE**

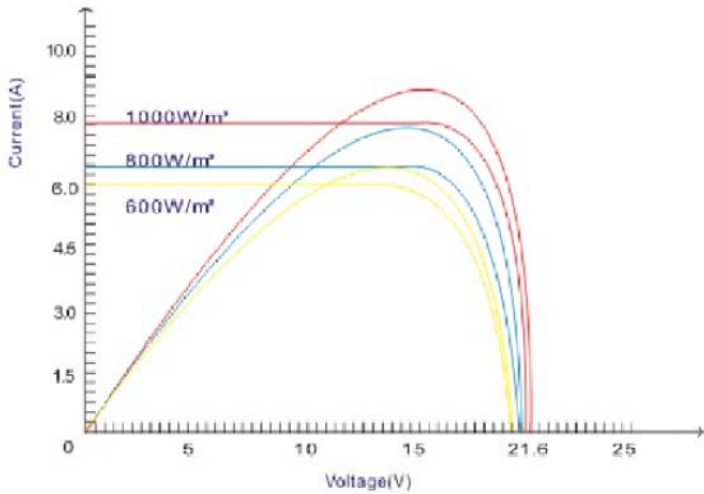
- Bypass diode minimizes the power drop by shade.
- White tempered glass ,EVA resin,weather proof film and anodized aluminum frame to provide efficient protection from the severest environmental conditions.
- Waterproof.Perfect for grid applications.
- Product guarantee 5 years.

**Quality Assurance**

- Electrical Insulation test
- Outdoor exposure test
- Hot-spot endurance test
- UV-exposure
- Thermal cycling test
- Humidity freeze test
- Damp heat Test
- Robustness of terminations test
- Wet leakage current test
- Mechanical load test
- Hail impact test
- Bypass diode thermal test

## Electrical Characteristics

Current-Voltage diagram of curves



**BEELAND Solar Panel**  
*High quality materials to high quality solar modules*  
**ISO9001 quality control and management**

### Electric Performance Typical Performance Characteristics

Short Circuit Current Temperature Coefficient	mA/C	0.04
Open Circuit Voltage Temperature Coefficient	V/C	-0.35
Maximum Power Temperature Coefficient	%/C	-0.45
Performance Warranty : 90% power output for 10 years and 80% power output for 25 years		

## Physical Specifications

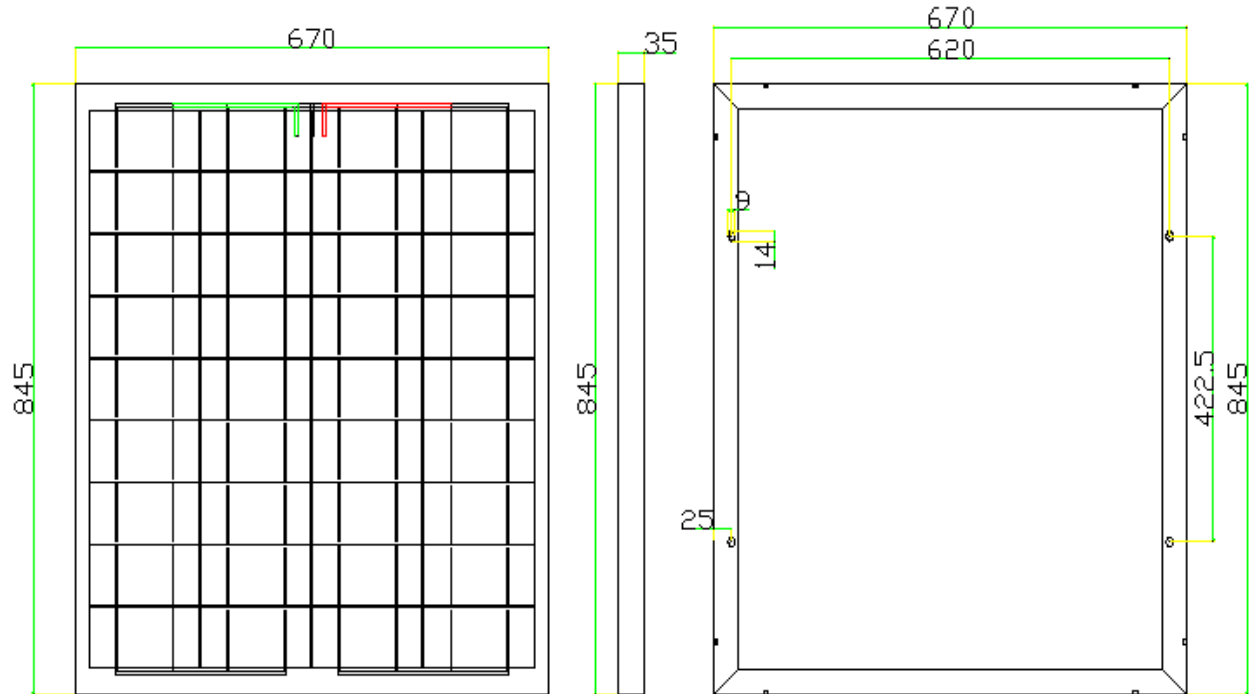
Dimension: 845\*670\*30mm

Weight: 6.7KG/PCS

Standard Packing : 2pcs in one carton or customized

### Loading Capacity:

pcs/ 20' Container  
 pcs/ 40' Container  
 pcs/ 40'HQ



**Zhuhai Beeland Solar Technology Co., Ltd.**

ADD.: Unit 318, Building Zhongzhihua, Huawei Road #112, Xiangzhou District, Zhuhai city, China

Tel: +86-756-3886516

Fax: +86-756-3966705

Website: [www.beelandsolar.com](http://www.beelandsolar.com)

Email: [sales@beelandsolar.com](mailto:sales@beelandsolar.com)

