



## BBPV-190W Mono-crystalline Module

The BBPV-190W Mono-crystalline module combines innovative design, quality componentry and superior performance.

The easy to install modules are engineered to achieve a higher output in a single array, delivering outstanding and stable conversion efficiency.

Significant conversion rates backed by industry leading warranties ensure this module delivers rewarding returns.



### Main Features

- Mono-crystalline cell
- 6 x 12 cell configuration
- Anodized aluminium frames provide structural strength
- Tempered front glass
- MC4 cable connectors for easy installation
- IP65 Waterproof Grade multifunction junction box

### Performance

- Manufactured, assembled and tested in our own ISO 9001 facility
- One of the highest energy output classes in the industry with 14.9% module efficiency
- High and stable conversion efficiency
- Guaranteed 0 to +3% output power tolerance
- Built-in bypass diodes to minimise shading power drops
- Load tested to meet 5400 N/M<sup>2</sup>
- Proven in tough Australian conditions

### Certificates

- USA and Canada
  - United Kingdom and Europe
  - Australia & New Zealand
- (All Certificates listed on back.)

### Warranty

- 30-year performance warranty
- 7-year Limited Warranty of materials and workmanship

### Quality Assurance

- All panels are flash tested
- Cells subject to rigorous testing to ensure performance
- QA conducted by SGS  
(world's largest independent testing organisation)

All SRP modules are backed by our unbeatable Warranties

Standard seven year Limited Module and 30 year Limited Power  
Warranty across all SRP PV modules



### Electrical Characteristics

Nominal Peak Power (Wp)	190W
Nominal Voltage (Vmp) at STC	37.2V
Nominal Current (Imp) at STC	5.14A
Open Circuit Voltage (Voc) at STC	44.8V
Short Circuit Current (Isc) at STC	5.84A
Module Efficiency	14.90%
Maximum System Voltage	1000V DC

### Temperature Coefficients

NOCT	45 +/- 2°C
Voltage Temperature Coefficient (Voc)	-0.34% / °C
Current Temperature Coefficient (Isc)	0.017% / °C
Power Temperature Coefficient (Pmax)	-0.48% / °C
Power Tolerance	±3%
Operating Temperature	-40°C to +85°C

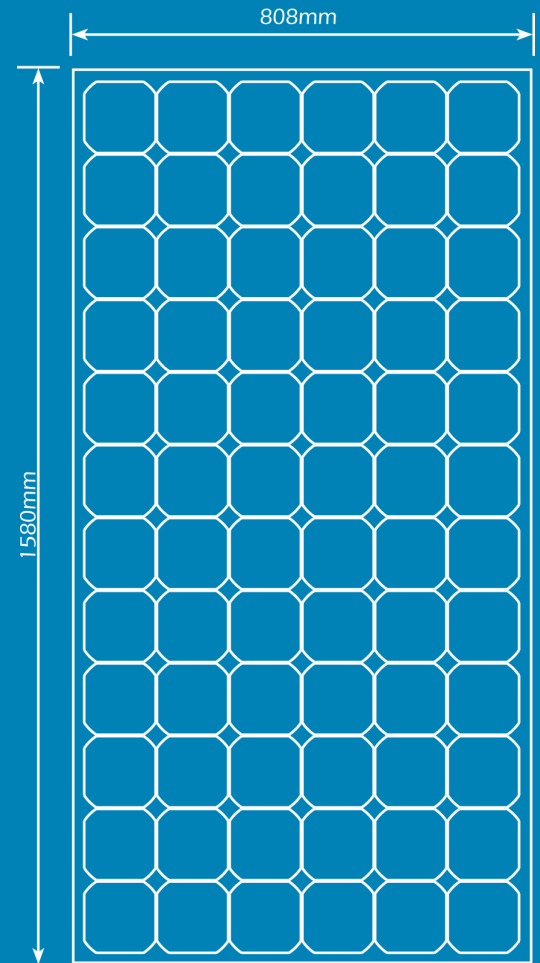
### Mechanical Data

Solar Cell	72 Mono-crystalline 125x125mm
Front Glass	3.2mm tempered
Junction Box	IP65 rated, TUV Approval
Output Cables	900mm length cable/ compliant with MC4 Connectors
Frame	Anodized aluminium
Weight	15.5kg
Dimension	1580x808x35mm
Loading Capacity 20'GP (Pcs)	324
Loading Capacity 40'GP (Pcs)	756

### Warranty and Certifications

Warranty	7 years workmanship, 10 years 90%, 30 years 80% Power Warranty
Certificates	Australia / New Zealand AS4777, IEC 61215, IEC 61730 Europe TÜV Rheinland IEC 61215, IEC 61730 United Kingdom MCS, TÜV Rheinland IEC 61215, IEC 61730 Germany TÜV Rheinland IEC 61215, IEC 61730 Italy TÜV Rheinland IEC 61215, IEC 61730 America / Canada UL 1703

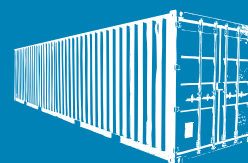
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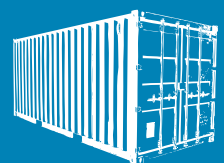
STC: 1000W/m<sup>2</sup>, 25°C, AM=1.5



40'GP 756 (PCS)



20'GP 324 (PCS)



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