



“The Sunny Solution” for your Photovoltaic Projects.

Brisban Solar Technology

Brisban Solar modules are designed and manufactured following all European standards and guidelines. The teams of professionals located at our Headquarters in Spain, at our global offices, and at our factory, are the synonymous of quality and guarantee.

Years of experience (engineering, construction and maintenance) within the photovoltaic industry have given us the ability to apply this expertise into the production of high-end crystalline modules.

We are “The Sunny Solution” for all your photovoltaic projects, in every challenge and detail.



Product Features

- 48 High-Efficiency Polycrystalline Solar Cells.
- Module efficiency of up to 14.60%
- 4mm tempered glass with high transmissivity level.
- Use of annealed glass, EVA plastic and weather-protection foil, as well as an anodised aluminium frame with water drainage holes for prolonged use.
- Certified materials with high performance yield long-life cycle .
- More diodes to protect your module prevent damage through overheating due to shaded cells.
- 100% Module EL inspection prevents micro-cracks in the module.

Brisban Quality and Warranty

Brisban Solar sets new standards by constant monitoring, and the vertical integration guarantees our high quality.

Each Brisban Module is physically, optically and electrically tested in order to receive the Brisban Solar’s original “Seal of Guarantee”.

Please refer to each serial number located on both sides of each module.

- 5 years product workmanship warranty.
- 12 year performance guarantee for a 90 % power output.
- 25 years performance guarantee for a 80 % power output.

Abbreviated Information

- 1,000V DC maximum system voltage.
- 48 cells in series.
- Ready to wind pressure up to 130km/h.
- TÜV and CE tested for your safety.

Brisban Solar

Physical Data		Other Highlights	
Cell	Polycrystalline high efficiency silicon solar cells 156mm ²	Operating temperature (cell)	-40 to 90 °C
Number & connection cells	48 cells in series	Maximum system voltage	1000 V CC
Dimensions	1.316 x 992 x 48 mm (1,30 m ²)	Glass thickness	4mm
Weight	15.5 Kg	Power Tolerance	+/- 3%
Connection type	Multicontact 0.9 m and 4mm ²	Temperature coefficient of Pmax	-0.40%/°C

Electrical Data				
Model		BS-180P	BS-185P	BS-190P
Power		180 Wp	185 Wp	190 Wp
Current at maximum power	I _m	7.60 A	7.71 A	7.76 A
Voltage at maximum power	V _m	23.70 V	24.00 V	24.50 V
Short circuit current	I _{sc}	8.34 A	8.43 A	8.50 A
Open circuit voltage	V _{oc}	28.80 V	29.00 V	29.40 V
Module efficiency	n _m	13.80 %	14.20 %	14.60 %
NOCT			45 °C	
Temperature coefficient of Voc			-0.40 %/°C	
Temperature coefficient of Isc			+0.06 %/°C	

The electrical data apply under standard testing conditions (STC): Incident radiation 1.000 W/m² with AM 1.5 light spectrum at a cell temperature of 25 °C. The electrical characteristics are subject to a manufacturing tolerance of ± 10%, power tolerance +3%. Before installing the photovoltaic modules, please read carefully our electrical specifications.

Typical Applications	Module Dimensions
<ul style="list-style-type: none"> On-roof PV residential systems. On-roof PV comercial / industrial systems. OFF-Grid and ON-grid PV systems. Rural electrification. Telecommunications. 	<p>Note: [mm]</p> <p>Back View: 944mm width, 1316mm height, Junction Box, Drainage Holes, 8-14x9 Mounting Slots (8 Places), 2-Ø3 Ground Holes (2 Places).</p> <p>Front View: 992mm width, 794mm height.</p> <p>Section A-A: 11mm, 35mm, 1.5mm, 35mm.</p> <p>48 Polycrystalline Cells, 4mm Tempered Glass, Tedlar Foil.</p>



- Qualified, IEC 61215
- Safety tested, IEC 61730
- Periodic Inspection



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