

“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.

Abbreviated Information

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

Product Features

- 72 High-Efficiency 165 mm Monocrystalline Solar Cells.
- Module efficiency of up to 15.7%
- 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.
- 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.

Physical Data	
Cell	Monocrystalline high efficiency silicon solar cells 165 mm
Number & connection cells	72 cells in series
Dimensions	1.580 x 808 x 35/45 mm (1,27 m ²)
Weight	17 Kg
Connection type	Type Multicontact MC3 - MC4

Other Highlights	
Operating temperature (cell)	-40 to 90 °C
Maximum system voltage	1000 V CC
Glass thickness	4mm
Power Tolerance	+/- 3%
Temperature coefficient of Pmax	-0.40%/°C

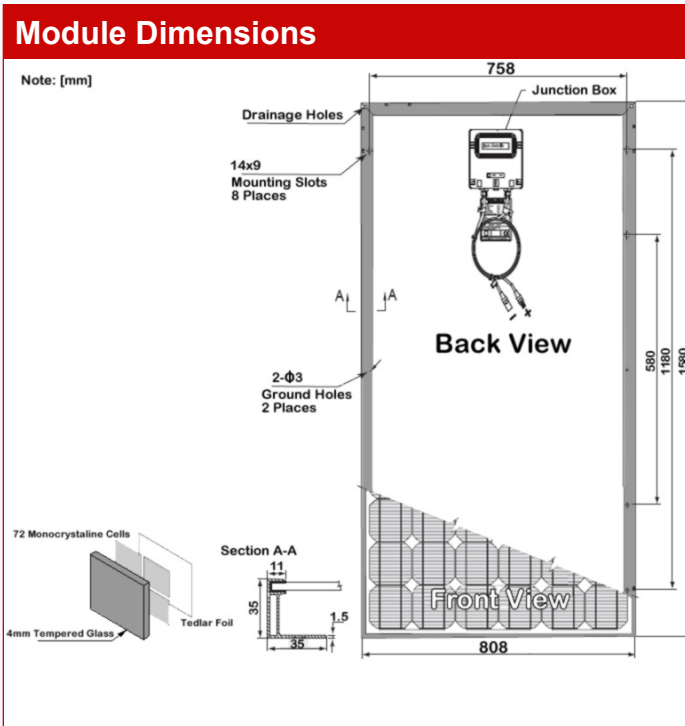
Electrical Data						
Model		BS180S5	BS185S5	BS190S5	BS195S5	BS200S5
Power		180 Wp	185 Wp	190 Wp	195 Wp	200 Wp
Current at maximum power	I _m	4.90 A	5.08 A	5.20 A	5.30 A	5.35 A
Voltage at maximum power	V _m	36.55 V	36.45 V	36.60 V	36.87 V	37.25 V
Short circuit current	I _{sc}	5.30 A	5.48 A	5.60 A	5.65 A	5.75 A
Open circuit voltage	V _{oc}	44.50 V	44.88V	44.85 V	44.90 V	45.20 V
Module efficiency	n _m	14.0 %	14.5 %	15 %	15.3%	15.7 %
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 mit Lichtspektrum AM 1.5 with AM 1.5 light spectrum at a cell temperature of 25 °C. The electrical characteristics are subject to a manufacturing tolerance of ± 10%, and power tolerance +3%. Before installing the photovoltaic modules, please read carefully our electrical specifications.

- ### Typical Applications
- On-roof PV residential systems.
 - On-roof PV comercial / industrial systems.
 - OFF-Grid and ON-grid PV systems.
 - Rural electrification.
 - Telecommunications.



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



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