

“The Sunny Solution” for your Photovoltaic Projects.

Brisban Solar Technology



Briban 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

- 72 High-Efficiency Polycrystalline Solar Cells.
- Module efficiency of up to 14.46%
- 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.
- 100% Module EL inspection prevents micro-cracks in the module.
- Bypass diodes to minimise power loss with shading.

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.

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.

- 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	Polycrystalline high efficiency silicon solar cells 156mm ²
Number & connection cells	72 cells in series
Dimensions	1.956 x 992 x 45 mm (1,94 m ²)
Weight	24.5 Kg
Connection type	Multicontact 0.9 m and 4mm ²

Other Highlights

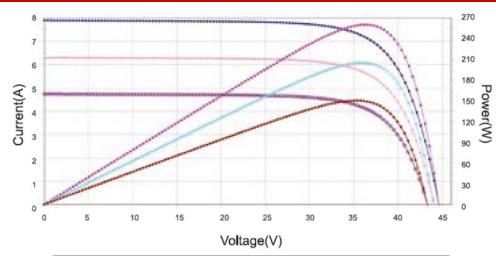
Operating temperature (cell)	-40 to 90 °C
Maximum system voltage	1000 V CC
Glass thickness	4mm
Power Tolerance	+/- 3%
Temperature coefficient of Pmax	-0.40%/°C

Electrical Data

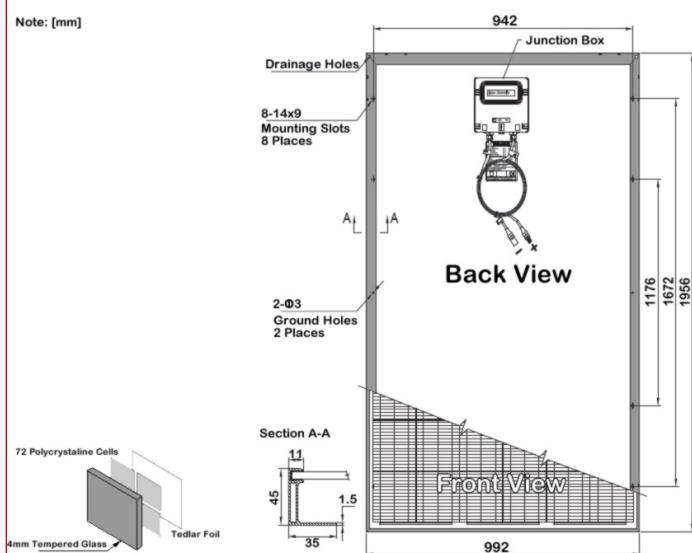
Model	BS-240P	BS-245P	BS-250P	BS-255P	BS-260P	BS-265P	BS-270P	BS-280P
Power	240 Wp	245 Wp	250 Wp	255 Wp	260 Wp	265 Wp	270 Wp	280 Wp
Current at maximum power	I _m	6.96 A	7.08 A	7.20 A	7.33 A	7.43 A	7.53 A	7.71 A
Voltage at maximum power	V _m	34.50 V	34.60 V	34.70 V	34.80 V	35.00 V	35.20 V	35.20 V
Short circuit current	I _{sc}	7.28 A	7.41 A	7.54 A	7.65 A	7.68 A	7.74 A	7.95 A
Open circuit voltage	V _{oc}	43.40 V	43.50 V	43.60 V	43.70 V	43.80 V	43.90 V	44.50 V
Module efficiency	n _m	12.39 %	12.65 %	12.91 %	13.16 %	13.43 %	13.68 %	13.94 %
NOCT							45 °C	
Temperature coefficient of V _{oc}							-0.40 %/°C	
Temperature coefficient of I _{sc}							+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.

Current - Voltage Curve



Module Dimensions



Typical Applications

- On-roof PV residential systems.
- On-roof PV commercial / 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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