

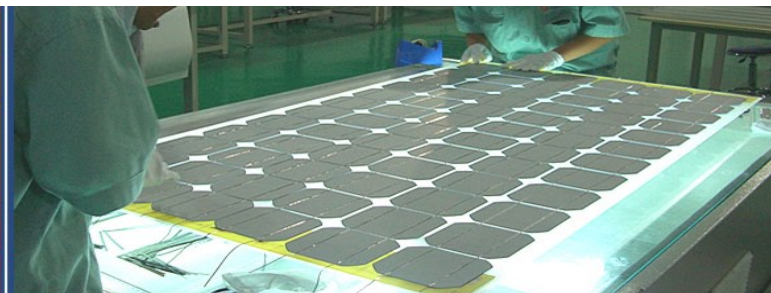
Brisban

The Sunny Solution

BS-xxS Series (36 cells)

80 W

Monocrystalline Photovoltaic Modules



“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 synonym 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

- 36 High-Efficiency Monocrystalline Solar Cells.
- Module efficiency of up to 12.04%
- 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.

- 5 years product workmanship warranty.
- 10 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.
- 36 cells in series.
- Ready to wind pressure up to 130km/h.
- TÜV and CE tested for your safety.

Brisban Solar

Physical Data

Cell	Monocrystalline high efficiency silicon solar cells 125mm ²
Number & connection cells	36 cells in series
Dimensions	1.199 x 554 x 35 mm (0,66 m ²)
Weight	8.5 Kg
Connection type	MC3 Type 0.9 m and 4mm ²

Other Highlights

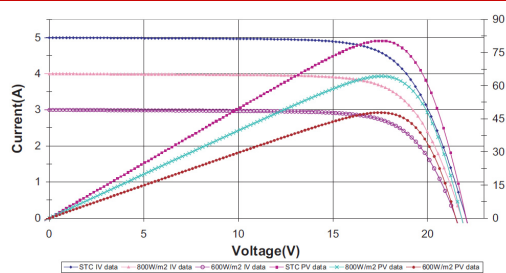
Operating temperature (cell)	-40 to 90 °C
Maximum system voltage	1000 V CC
Glass thickness	4mm
Tolerance	+/- 3%
Temperature coefficient of Pmax	-0.40%/°C

Electrical Data

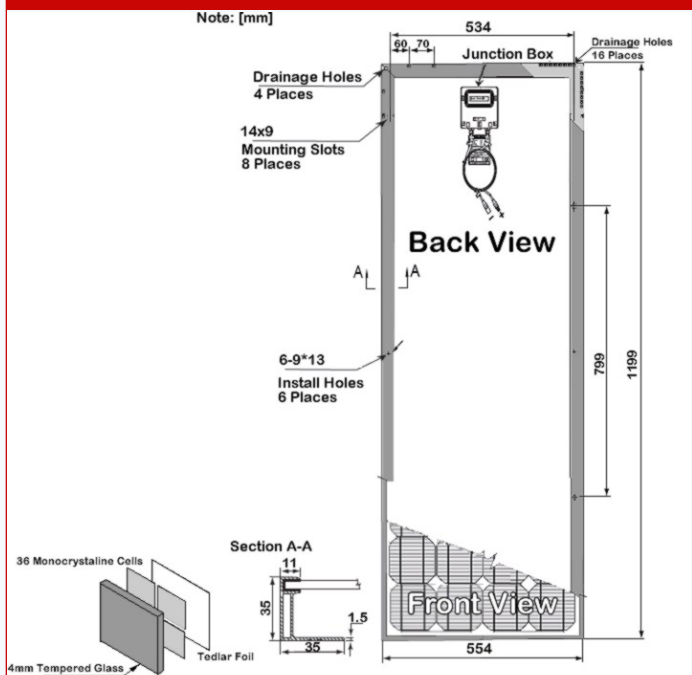
Model	BS-80S	
Power	80 Wp	
Current at maximum power	I_m	4.85 A
Voltage at maximum power	V_m	17.50 V
Short circuit current	I_{sc}	5.45 A
Open circuit voltage	V_{oc}	21.50 V
Module efficiency	η_m	12.04%
NOCT	45 °C	
Temperature coefficient of V_{oc}	-0.40 %/°C	
Temperature coefficient of I_{sc}	-0.06 %/°C	

The electrical data apply under standard testing conditions (STC): Incident radiation 1.000 W/m² 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 \pm 10%. 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 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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