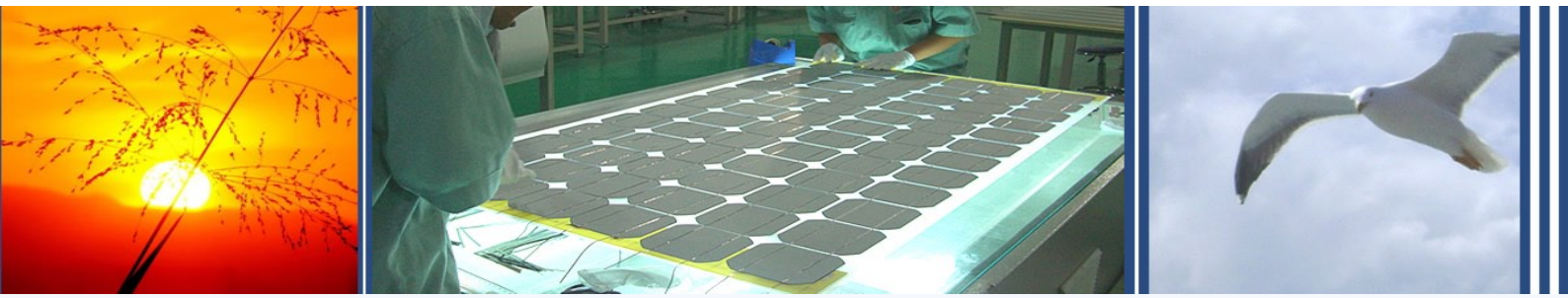
Brisban
The Sunny Solution

BS-xxxS Series (54 cells)

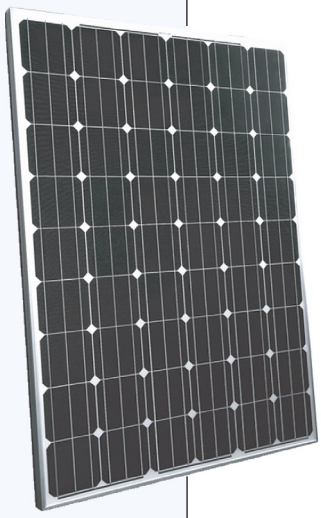
190 W | 200 W | 210 W

Monocrystalline Photovoltaic Modules



"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

- 54 High-Efficiency Monocrystalline Solar Cells.
- Module efficiency of up to 14.28%
- 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.
- The distance between the frame and the electrical circuitry is calculated to optimize the energy produced.
- 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 Briban Solar's original "Seal of Guarantee".

Please refer to each serial number located at the label at the back of each module.

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

Brisban Solar

C/ Vall de Cofrents nº 38, Parcela L 10, Polígono Industrial La Cova, Manises (Valencia) , Spain Tel : + 34.96.321.56.62 Fax : +34.96.152.57.23 Email: info@brisbansolar.com
C.I.F: B - 97945745 Registro Civil Tomo: 8755 Libro: 6042 Folio: 121 Sección: 8 Hoja: V124480 Inscripción: 1

Physical Data

Cell	Monocrystalline high efficiency silicon solar cells 156mm^2
Number & connection cells	54 cells in series
Dimensions	1.482 x 992 x 35 mm (1,47 m^2)
Weight	16.5 Kg
Connection type	Multicontact 0.9 m and 4mm^2.

Other Highlights

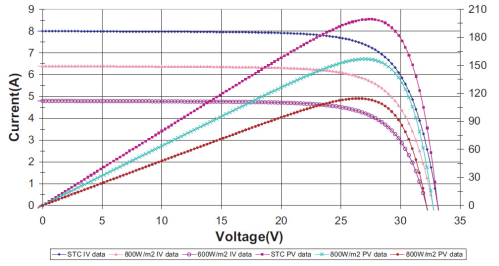
Operating temperature (cell)	-40 to 90 ºC
Maximum system voltage	1000 V CC
Glass thickness	4mm
Power Tolerance	+/- 3%
Temperature coefficient of Pmax	-0.40%/ºC

Electrical Data

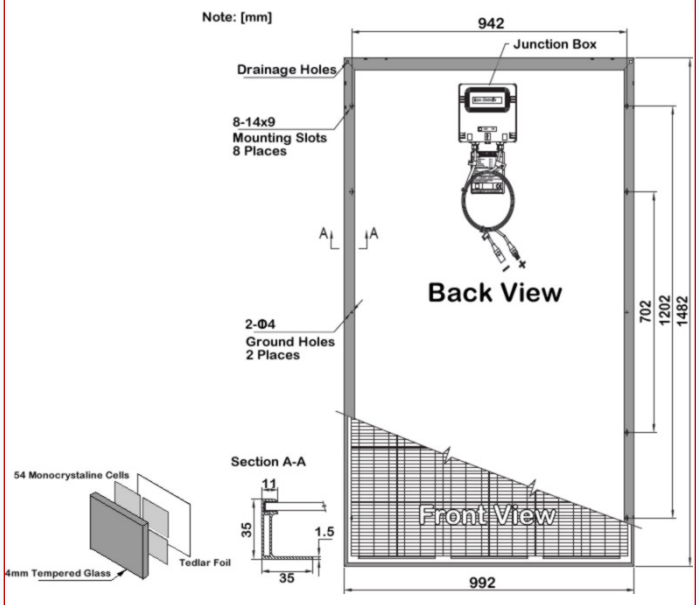
Model		**BS-190S**	**BS-200S**	**BS-210S**
Power		190 Wp	200 Wp	210 Wp
Current at maximum power	Im	7.25 A	7.63 A	7.95 A
Voltage at maximum power	Vm	26.20 V	26.20 V	26.40 V
Short circuit current	Isc	7.84 A	8.10 A	8.33 A
Open circuit voltage	Voc	33.20 V	33.60 V	33.60 V
Module efficiency	n_m	12.92 %	13.60 %	14.28 %
NOCT		45 ºC		
Temperature coefficient of Voc		-0.40 %/ºC		
Temperature coefficient of Isc		+0.06 %/ºC		

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 systems in housing.
- On-roof PV systems in industrial buildings.
- Grid-independent and on-grid PV systems.
- Rural electrification.

www.tuv.com TÜVRheinland ID: 000025644
- Qualified, IEC 61215
- Safety tested, IEC 61730
- Periodic Inspection

CE

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