

BAUER

Solartechnik GmbH

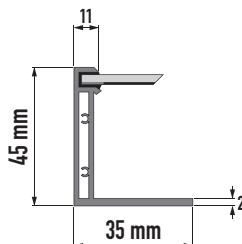
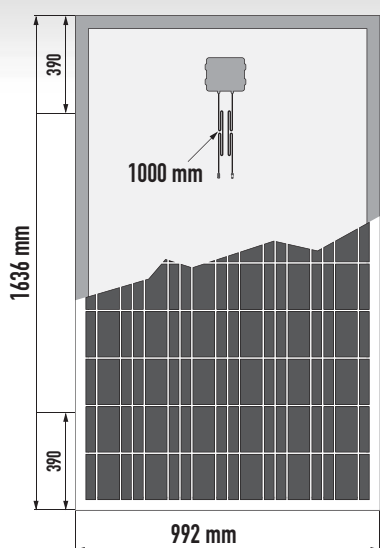
**DELIVERY SOLELY WITH POSITIVE
POWER OUTPUT TOLERANCE!**

BAUER BS 6P12

235 W - 245 W



Polycrystalline solar module



Dimensions

Length	1636 mm
Width	992 mm
Height	45 mm
Weight	19,5 kg

Performance data

- positive power output tolerance +3/-0 %
- min. 90% output over a 10-year period
- min. 80% output over a 25-year period
- 10 years product guarantee

Test parameters (excerpt)

- Simulation of temperature cycles (200 cycles ranging from -40°C to +85°C)
- Vapour heat test in the climatic chamber (1.000 hours at 85°C and 85% relative humidity)
- Front and back panel load test (simulated wind load of 5.400 Pa, equivalent to 5.400 N/m² or 550 kg/m²)
- Simulated impact of hailstones (25 mm in diameter at 23 m/s from a distance of one meter)

Technical specifications

Frame	Silver, torsionally rigid, aluminium alloy mounting frame
Cells	60 polycrystalline cells (156 mm x 156 mm) connected in series
Connectors	Double insulated, UV-resistant 4 mm ² cable with weatherproof solar plugs
Diodes	3x2 bypass diodes protecting the module when in shade
Assembly	Front: highly translucent, toughened glass Back: white TPT film, embedding material: EVA

Electrical characteristics	BS-235-6P12	BS-240-6P12	BS-245-6P12
Nominal power P (Wp)	235	240	245
Voltage at Pmax Vmp (V)	29,87	29,94	30,03
Current at Pmax Imp (A)	7,87	8,02	8,16
Short-circuit current Isc (A)	8,33	8,48	8,61
Open-circuit voltage Voc (V)	37,13	37,20	37,26
Efficiency (η)	14,5%	14,8%	15,1%
Max. system voltage V (V)	1.000		
Temperature coefficient of Isc	+0,055 %/K		
Temperature coefficient of Voc	-0,33 %/K		
Test condition (STC)	1.000 W/m ² , 25°C, AM 1,5		
NOCT	45°C ± 2°C		
Reverse current overload (A)	15		

Qualifications and certificates

- IEC 61215
- IEC 61730



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Polycrystalline module (detailed view)

