

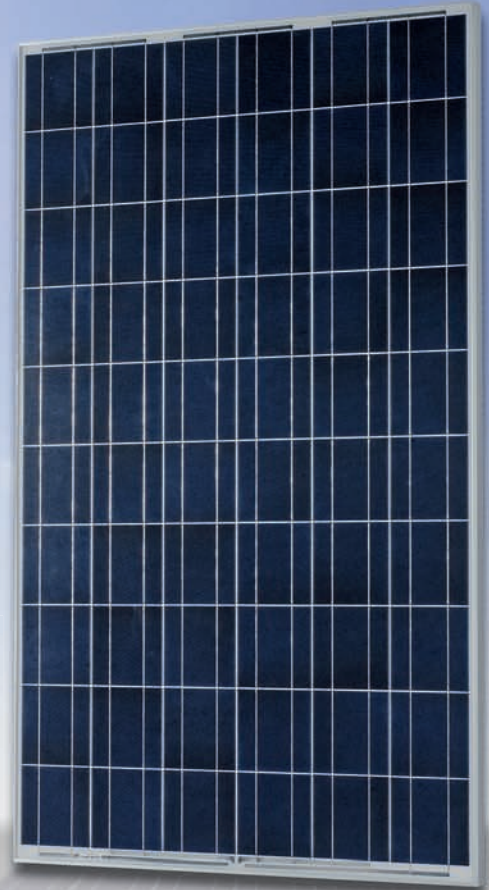
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Solartechnik GmbH

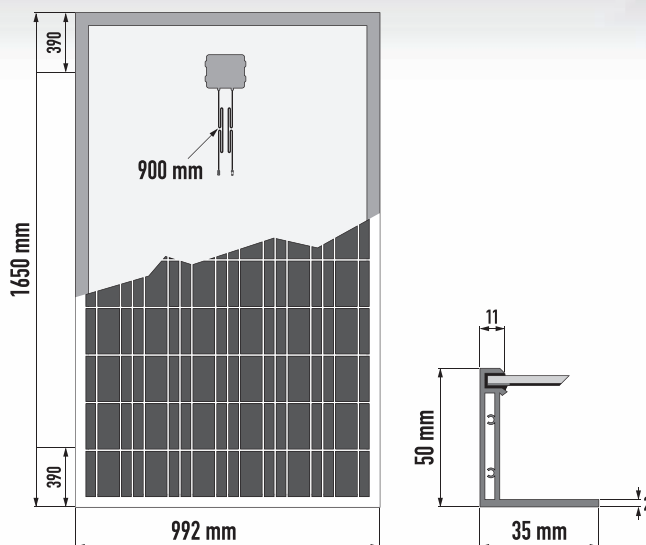
DELIVERY SOLELY WITH POSITIVE
POWER OUTPUT TOLERANCE!

BAUER BS 6P7.1

230 W - 240 W



Polycrystalline solar module



Dimensions

Length	1650 mm
Width	992 mm
Height	50 mm
Weight	18,5 kg

Performance data

- positive power output tolerance +3/-0 %
- min. 90% output over a 12-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	3 bypass diodes protecting the module when in shade
Assembly	Front: highly translucent, toughened glass Back: white TPT film, embedding material: EVA

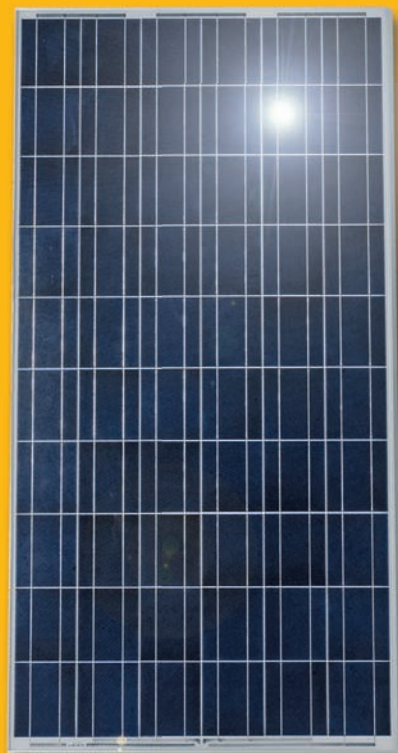
Electrical characteristics	BS-230-6P7.1	BS-235-6P7.1	BS-240-6P7.1
Nominal power P (Wp)	230	235	240
Voltage at Pmax Vmp (V)	30,17	30,24	30,31
Current at Pmax Imp (A)	7,63	7,77	7,92
Short-circuit current Isc (A)	8,11	8,29	8,46
Open-circuit voltage Voc (V)	37,33	37,35	37,41
Efficiency (η)	14,1%	14,4%	14,7%
Max. system voltage V (V)	1.000 (UL 600 V)		
Temperature coefficient of Isc	+0,09 %/K		
Temperature coefficient of Voc	-0,34 %/K		
Test condition (STC)	1.000 W/m ² , 25°C, AM 1,5		
NOCT	45°C ± 2°C		

Qualifications and certificates

- IEC 61215
- IEC 61730-1, -2: 2004
EN 61730-1, -2: 2007
- UL (200 - 230 Wp)



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Polycrystalline module (detailed view)

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