

# BAUER

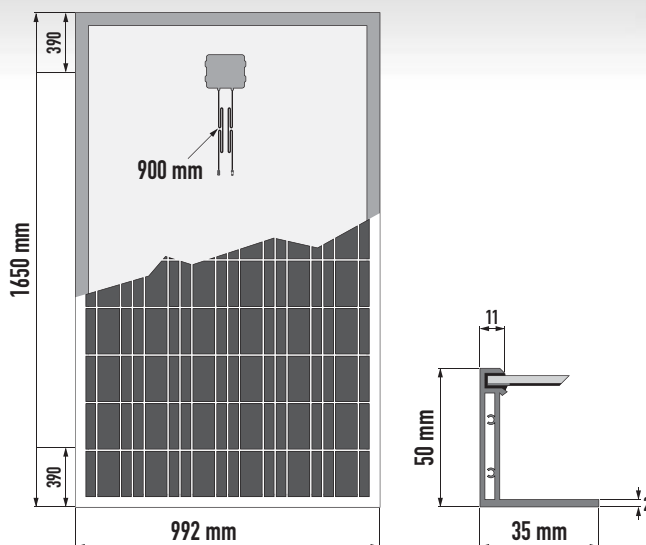
Solartechnik GmbH

DELIVERY SOLELY WITH POSITIVE  
POWER OUTPUT TOLERANCE!

## BAUER BS 6P7.1 240 W - 250 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/m<sup>2</sup> or 550 kg/m<sup>2</sup>)
- 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 <sup>2</sup> 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-240-6P7.1	BS-245-6P7.1	BS-250-6P7.1
Nominal power P (Wp)	240	245	250
Voltage at Pmax Vmp (V)	30,61	30,74	31,05
Current at Pmax Imp (A)	7,84	7,97	8,05
Short-circuit current Isc (A)	8,45	8,57	8,64
Open-circuit voltage Voc (V)	37,66	37,80	38,00
Efficiency (η)	14,70%	15,00%	15,30%
Max. system voltage V (V)	1.000		
Temperature coefficient of Isc	+0,050 %/K		
Temperature coefficient of Voc	-0,33 %/K		
Test condition (STC)	1.000 W/m <sup>2</sup> , 25°C, AM 1,5		
NOCT	45°C ± 2°C		
Reverse current overload (A)	15		

### Qualifications and certificates

- IEC 61215
- IEC 61730-1, -2: 2004  
EN 61730-1, -2: 2007



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## BAUER BS 6P7.1



Polycrystalline module (detailed view)

