

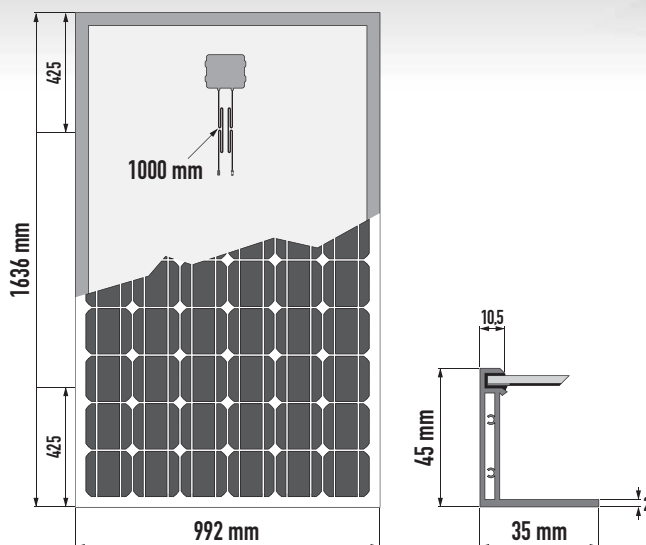
**DELIVERY SOLELY WITH POSITIVE  
POWER OUTPUT TOLERANCE!**

## BAUER BS 6MB12

240 W - 250 W



### Monocrystalline 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/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	Black, torsionally rigid aluminium alloy mounting frame
Cells	60 monocrystalline 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	3 bypass diodes protecting the module when in shade
Assembly	Front: highly translucent, toughened glass Back: black TPT film, embedding material: EVA

Electrical characteristics	BS-240-6MB12	BS-245-6MB12	BS-250-6MB12
Nominal power P (Wp)	240	245	250
Voltage at Pmax Vmp (V)	30,69	30,76	30,83
Current at Pmax Imp (A)	7,82	7,97	8,11
Short-circuit current Isc (A)	8,40	8,56	8,72
Open-circuit voltage Voc (V)	37,79	37,84	37,89
Efficiency (η)	14,8%	15,1%	15,4%
Max. system voltage V (V)	1.000		
Temperature coefficient of Isc	+0,047 %/K		
Temperature coefficient of Voc	-0,31 %/K		
Test condition (STC)	1.000 W/m <sup>2</sup> , 25°C, AM 1,5		
NOCT	47°C ± 2°C		
Reverse current overload (A)	15		

### Qualifications and certificates

- IEC 61215
- IEC 61730



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## BAUER BS 6MB12



Monocrystalline module (detail view)

