

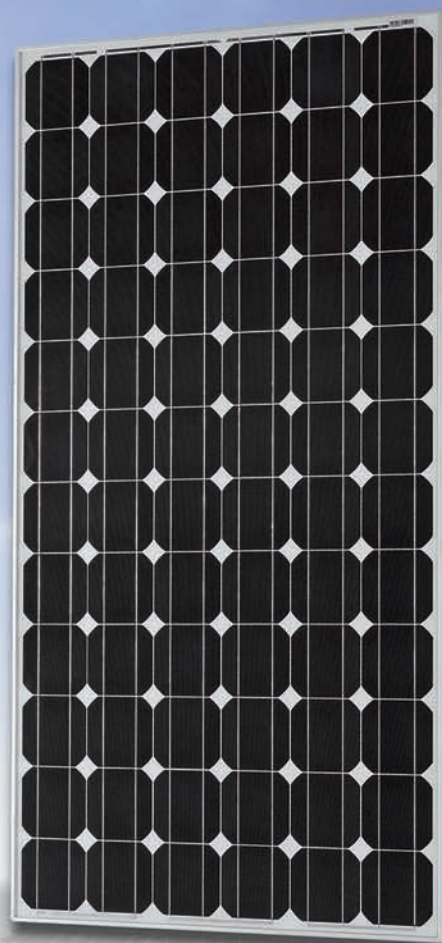
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Solartechnik GmbH

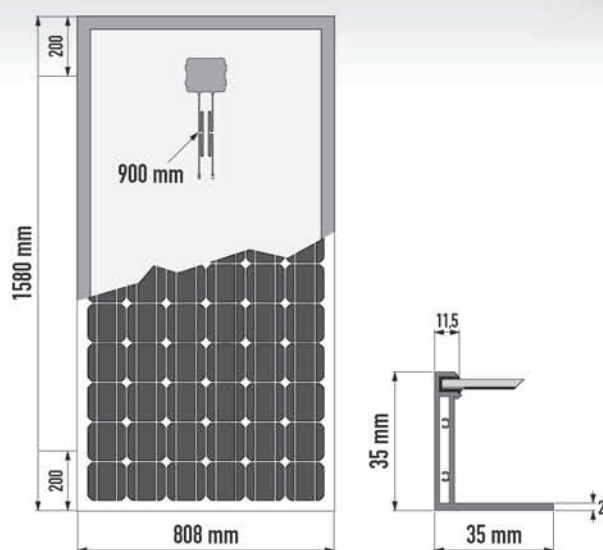
DELIVERY SOLELY WITH POSITIVE
POWER OUTPUT TOLERANCE!

BAUER BS 5M7.1

185 W - 195 W



Monocrystalline solar module



Dimensions

Length	1580 mm
Width	808 mm
Height	35 mm
Weight	16 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	72 monocrystalline cells (125 mm x 125 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-185-5M7.1	BS-190-5M7.1	BS-195-5M7.1
Nominal power P (Wp)	185	190	195
Voltage at Pmax Vmp (V)	36,5	36,7	37,4
Current at Pmax Imp (A)	5,07	5,18	5,21
Short-circuit current Isc (A)	5,35	5,48	5,53
Open-circuit voltage Voc (V)	45,4	45,7	45,8
Efficiency (η)	14,5%	14,9%	15,2%
Max. system voltage V (V)	1.000 (UL 600 V)		
Temperature coefficient of Isc	+0,06 %/K		
Temperature coefficient of Voc	-0,34 %/K		
Test condition (STC)	1.000 W/m ² , 25°C, AM 1,5		
NOCT	47°C ± 2°C		

Qualifications and certificates

- IEC 61215
- IEC 61730-1, -2: 2004; EN 61730-1, -2: 2007
- UL (170 - 185 Wp)
- MCS



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Monocrystalline module (detail view)



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