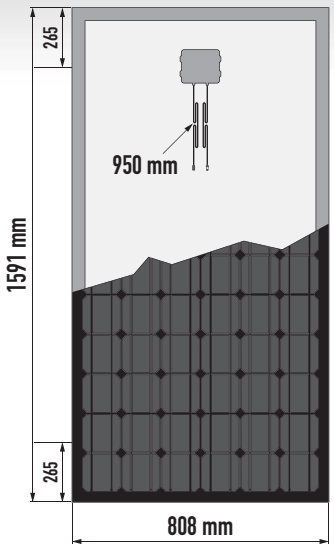
BAUER

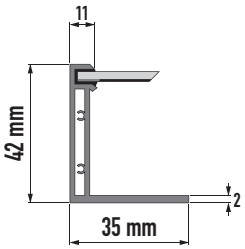
Solartechnik GmbH

DELIVERY SOLELY WITH POSITIVE POWER OUTPUT TOLERANCE!

BAUER BS 5MB2

185 W - 195 W





Monocrystalline solar module

Dimensions	
Length	1591 mm
Width	808 mm
Height	42 mm
Weight	15,5 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	Black, torsionally rigid, aluminium alloy mounting frame
Cells	72 monocrystalline cells (125 mm x 125 mm) connected in series
Connectors	Double insulated, UV-resistant 4 mm² 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-185-5MB2	BS-190-5MB2	BS-195-5MB2
Nominal power P (Wp)	185	190	195
Voltage at Pmax Vmp (V)	37,15	37,25	37,29
Current at Pmax Imp (A)	4,98	5,10	5,23
Short-circuit current Isc (A)	5,41	5,51	5,62
Open-circuit voltage Voc (V)	44,54	44,71	44,81
Efficiency (η)	14,49%	14,88%	15,27%
Max. system voltage V (V)	1.000		
Temperature coefficient of Isc	+0,027 %/K		
Temperature coefficient of Voc	-0,337 %/K		
Test condition (STC)	1.000 W/m², 25°C, AM 1,5		
NOCT	48°C ± 2°C		

Qualifications and certificates

- IEC 61215
- IEC 61730

CE PV CYCLE DVE

BAUER BS 5MB2

Monocrystalline module (detail view)

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05/02/13