

BAUER

Solartechnik GmbH

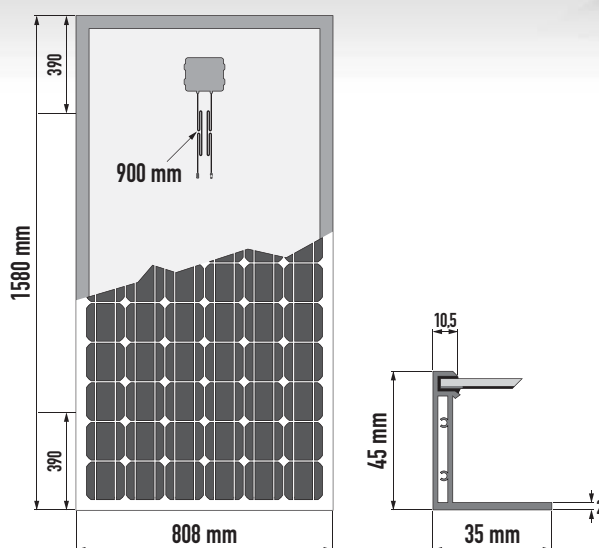
DELIVERY SOLELY WITH POSITIVE
POWER OUTPUT TOLERANCE!

BAUER BS 5MB12

190 W - 200 W



Monocrystalline solar module



Dimensions

Length	1580 mm
Width	808 mm
Height	45 mm
Weight	16 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

www.bauer-solarenergie.de

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 mm ² 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-190-5MB12	BS-195-5MB12	BS-200-5MB12
Nominal power P (Wp)	190	195	200
Voltage at Pmax Vmp (V)	37,34	37,81	38,23
Current at Pmax Imp (A)	5,09	5,16	5,23
Short-circuit current Isc (A)	5,41	5,53	5,64
Open-circuit voltage Voc (V)	45,64	45,89	46,05
Efficiency (η)	14,9%	15,3%	15,7%
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 ² , 25°C, AM 1,5		
NOCT	47°C ± 2°C		
Reverse current overload (A)	15		

Qualifications and certificates

- IEC 61215
- IEC 61730



BAUER
Solartechnik GmbH

Hinter der Mühl 2
55278 Selzen | Germany
Tel. +49 (0) 6737 - 80 81-0
Fax +49 (0) 6737 - 80 81-10
info@bauer-solartechnik.de
www.bauer-solartechnik.de

BAUER BS 5MB12



Monocrystalline module (detail view)

