

# BAUER

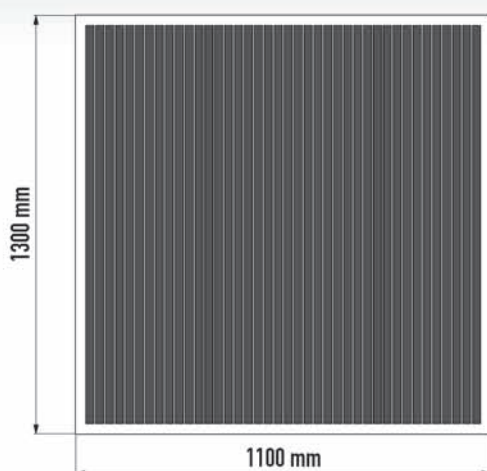
Solartechnik GmbH

## BAUER BS MA10

120 W - 130 W



### Micromorphous solar module



#### Dimensions

Length	1300 mm
Width	1100 mm
Height	7 mm
Weight	26 kg

#### Performance data

- power output tolerance +5/-5 %
- min. 90% output over a 10-year period
- min. 80% output over a 25-year period
- 5 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 2.400 Pa, equivalent to 2.400 N/m<sup>2</sup> or 245 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

Cells	Tandem cell made of amorphous (a-Si) & microcrystalline (μc-Si) silicon
Connectors	Double insulated, UV-resistant 4 mm <sup>2</sup> cable with weatherproof solar plugs
Diodes	1 bypass diode

Electrical characteristics	BS-120-MA10	BS-125-MA10	BS-130-MA10
Nominal power P (Wp)	117,5	122,5	127,5
Voltage at Pmax Vmp (V)	105	105,4	105,8
Current at Pmax Imp (A)	1,12	1,17	1,21
Short-circuit current Isc (A)	1,53	1,56	1,58
Open-circuit voltage Voc (V)	134,0	134,2	134,3
Efficiency (η)	8,4%	8,7%	9,1%
Max. system voltage V (V)	1.000		
Temperature coefficient of Isc	+0,07 %/K		
Temperature coefficient of Voc	-0,32 %/K		
Test condition (STC)	1.000 W/m <sup>2</sup> , 25°C, AM 1,5		
NOCT	45°C ± 2°C		

### Qualifications and certificates

- IEC 61646
- IEC 61730



# BAUER

Solartechnik GmbH

Hinter der Mühl 2  
55278 Selzen | Germany

Fon +49 (0) 6737 - 80 81-0  
Fax +49 (0) 6737 - 80 81-10

info@bauer-solartechnik.de  
www.bauer-solartechnik.de

## BAUER BS MA10

