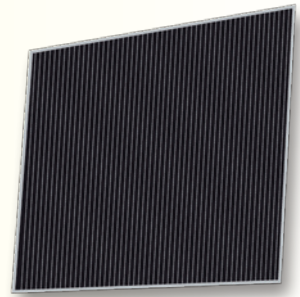


BAUER

Solartechnik GmbH



Module

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

Modules

BS-100-MA10 – BS-130-MA10

The frameless, micromorphous thin-film photovoltaic modules by BAUER are manufactured using up-to-the-minute methods of production to achieve a maximum yield of energy.

The cells are mounted and sealed between two covers of toughened glass to protect them against extreme climatic conditions and to guarantee a constant level of performance.

Performance data

Nominal output	100 W – 130 W
Power output tolerance	+5/-5 %
Warranted minimum power	■ Min. 90% output over a 10-year period ■ Min. 80% output over a 20-year period ■ 5 years product guarantee

Test parameters (excerpt)

- Simulation of temperature cycles: 200 cycles ranging from -40°C to +85°C and back
- 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) at 2,400 Pa, equivalent to 2400 N/m² or 245 kg/m²
- Simulated impact of hailstones measuring 25 mm in diameter at 23 m/s from a distance of one metre

Qualifications and certificates

- IEC 61646
- IEC 61730
- CE mark



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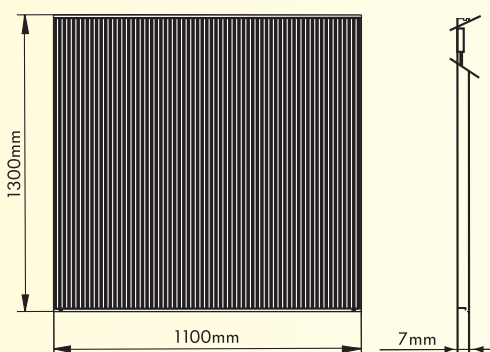
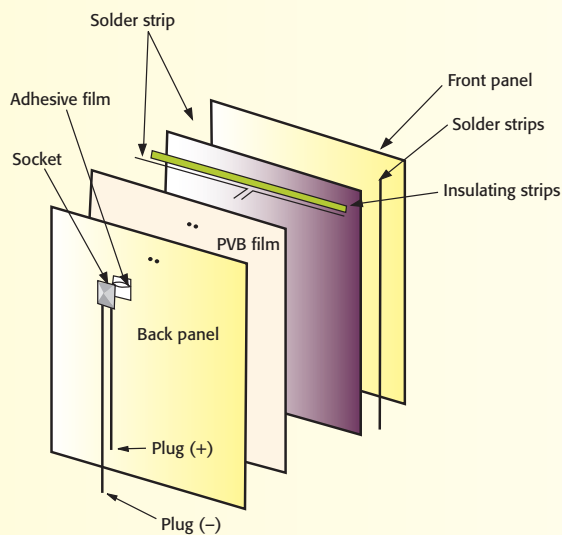
Technical Specifications

Cell	Tandem cell made of amorphous (<i>a-Si</i>) und microcrystalline (<i>uc-Si</i>) silicon
Connector cable	Double insulated, UV-resistant 4 mm ² cable with weatherproof solar plugs
Diode	1 bypass diode

Electrical characteristics

Type	BS-100-MA10	BS-105-MA10	BS-110-MA10	BS-115-MA10	BS-120-MA10	BS-125-MA10	BS-130-MA10
Nominal power P (Wp)	97.5	102.5	107.5	112.5	117.5	122.5	127.8
Voltage at Pmax Vmp (V)	103.4	103.8	104.3	104.6	105	105.4	105.8
Current at Pmax Imp (A)	0.94	0.99	1.03	1.08	1.12	1.17	1.21
Short-circuit current Isc (A)	1.47	1.49	1.50	1.51	1.53	1.56	1.58
Open-circuit voltage Voc (V)	133.3	133.5	133.7	133.8	134.0	134.2	134.3
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 ² , 25°C, AM 1.5						

Diagram



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