

BAUER

Solartechnik GmbH



Module

Length	1652 mm
Width	992 mm
Height	42 mm
Weight	20 kg

Modules

BS-210-6P2 – BS-240-6P2

BAUER polycrystalline solar modules are manufactured using up-to-the-minute methods of production to achieve a maximum yield of energy.

The cells are mounted between a cover of toughened glass and EVA film and backed and sealed with PET film to protect them against extreme climatic conditions and to guarantee a constant level of performance. The laminate is assembled in a stable, easily mountable aluminium frame.

Performance data

Nominal output	210 W – 240 W
Power output tolerance	+3/–3 %
Warranted minimum power	■ 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 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 61215 Edition II
- IEC 61730
- CE mark



Str: Petresti nr:17
510184 Alba Iulia
Romania



Tel: 0748 210 688
Tel: 0258 81 80 81
Florin Flaseriu



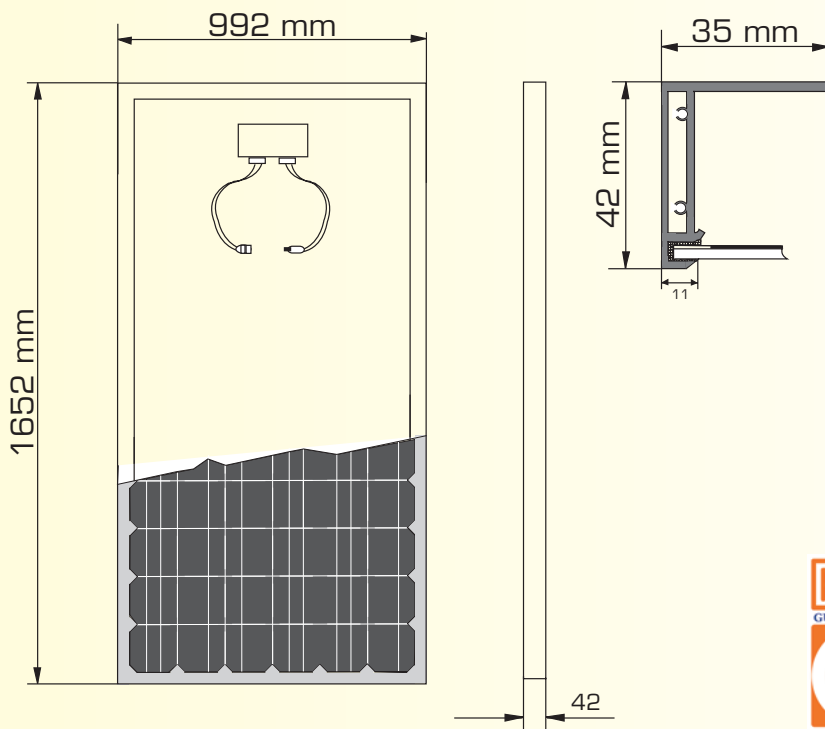
Technical specifications

Frame	Silver, torsionally rigid, aluminium alloy mounting frame
Cells	60 polycrystalline cells (156 mm x 156 mm), connected in series
Connector cable	Double insulated, UV-resistant 4 mm ² cable with weatherproof solar plugs
Diodes	3 bypass diodes protecting the module when in shade
Module assembly	Front: highly translucent, strong, toughened glass Back: white TPT film, embedding material: EVA

Electrical characteristics

Type	BS-210-6P2	BS-215-6P2	BS-220-6P2	BS-225-6P2	BS-230-6P2	BS-235-6P2	BS-240-6P2
Nominal power P (Wp)	210	215	220	225	230	235	240
Voltage at Pmax Vmp (V)	29.31	29.38	29.64	29.95	30.22	30.6	31.18
Current at Pmax Imp (A)	7.17	7.32	7.43	7.52	7.62	7.69	7.71
Short-circuit current Isc (A)	7.82	7.93	8.04	8.16	8.21	8.27	8.32
Open-circuit voltage Voc (V)	35.58	35.62	35.81	36.07	36.68	36.84	37.3
Max. system voltage V (V)	1,000						
Temperature coefficient of Isc	+ 0.07%/K						
Temperature coefficient of Voc	- 0.36%/K						
Test condition (STC)	1,000 W/m ² , 25°C, AM 1.5						

Diagram



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www.LPelectric.ro

Str: Petresti nr:17
510184, Alba Iulia
Romania

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O idee inteligenta pentru energie!
www.Ecovolt.ro

Tel: 0748 210 688
Tel: 0258 81 80 81
Florin Fleseriu

BAUER

Solartechnik GmbH

Hinter der Mühle 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

