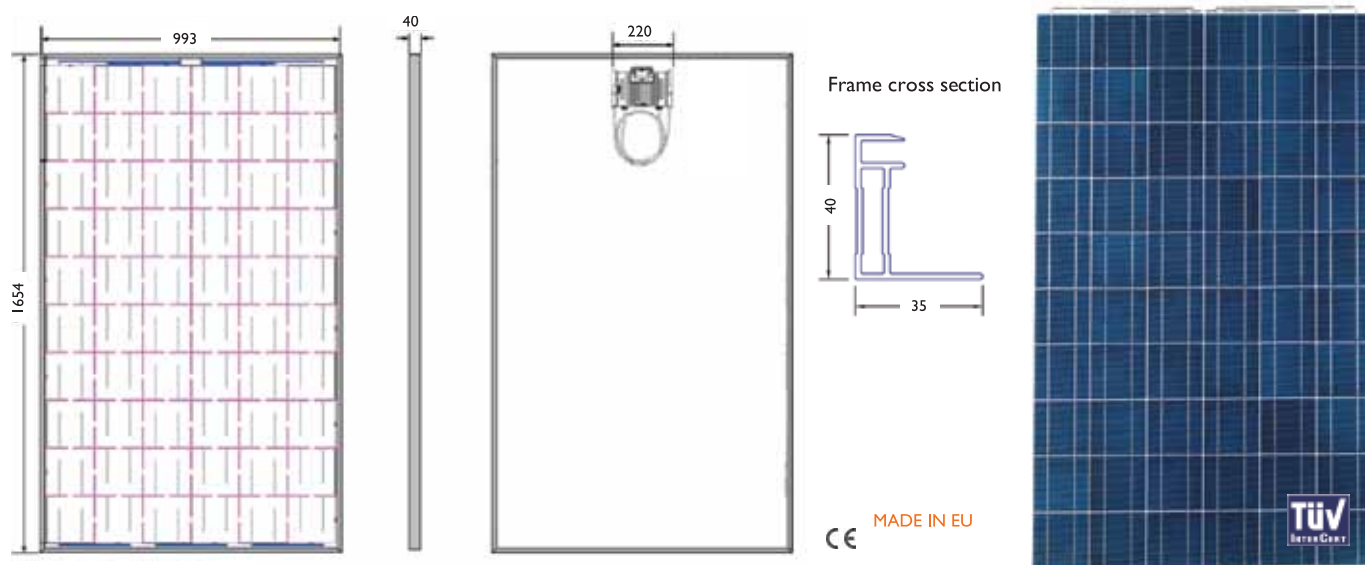


Polycrystalline Solar Modules

Module Specifications

Length:	1.654 mm
Width:	993 mm
Height:	40 mm
Weight:	ca. 22 kg
Junction Box:	Huber + Suhner HA3™ with 3 embedded bypass diodes.
Cable:	Solar cable 950 mm, 4 mm ² , with Radox plug connectors (CB - /C4, CL+/C4).
Front Side:	Toughened Safety Solar Glass 3,2
Back Side:	Composite Film (TEDLAR)
Cells:	60 Polycrystalline Si cells 156 x 156
Cell encapsulation:	EVA
Frame:	Anodised Aluminium profile.
Max System Voltage:	1.000 V



All figures in millimetres.

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Detailed Module Information

Module Power (Tolerance $\pm 3\%$)		SE 235 W_p	SE 230 W_p	SE 225 W_p	SE 220 W_p	SE 215 W_p	SE 210 W_p	SE 205 W_p	SE 200 W_p	SE 195 W_p	SE 190 W_p
Rated Voltage V _{mpp}	(V)	29,20	29,00	28,90	28,80	28,50	28,30	28,10	27,80	27,50	27,40
Rated Current I _{mpp}	(A)	8,05	7,95	7,80	7,65	7,55	7,45	7,30	7,20	7,05	6,95
Open Circuit Voltage V _{oc}	(V)	36,90	36,70	36,60	36,40	36,30	36,10	35,90	35,60	35,30	35,00
Short Circuit Current I _{sc}	(A)	8,65	8,55	8,40	8,30	8,20	8,10	8,00	7,90	7,80	7,70
Module Efficiency	(%)	14,30	14,00	13,70	13,40	13,10	12,80	12,50	12,20	11,90	11,50

Electrical Data

Maximum system voltage	1.000 (V)
Temperature coefficient - open circuit voltage	-0,35%/°C
Temperature coefficient - short circuit current	0,04%/°C
Temperature coefficient - power	-0,40%/°C

Values above are specified for STC conditions - irradiation: 1.000 W/m², AM 1,5 and cell temperature: 25°C

The modules are TÜV certified according to IEC 61215 & IEC 61730 I/2.

10 year power output warranty at 90% of the nominal power and 25 year power output warranty at 80% of the nominal power. There is a five year guarantee on material and craftsmanship*.

* All guarantees are only valid under the provision that the modules have been properly installed, in accordance with the instructions and guarantee terms of the manufacturer as well as all applicable government regulations and specifications, and that they are properly used and maintained. The guarantee period begins with the initial delivery to client.



All information contained herein is subject to change without prior notice.
Leaflet Issued April 2010.

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