

Performance • Reliability
200 W / 54 - 156 p

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Cost Effective: Optimum Price-Performance Balance

Made in Germany

Built to German automotive industry's highest quality standards

Guaranteed high energy yields – high efficiency cells, max power tolerance of 2,5% and optimum edge distances

Durable and reliable – 25-years performance warranty*

* under special conditions of asola GmbH

Reliable Construction:

State of the art, crystalline high efficiency cells 156 mm

Encapsulation materials – made by world wide market leader

Metallic junction boxes for highest security and excellent cooling of by-pass diodes

Best of class cables and plug system

50 mm aluminum frame for mechanical load of 5.400 Pa
acc. IEC 61215 / UL 1703

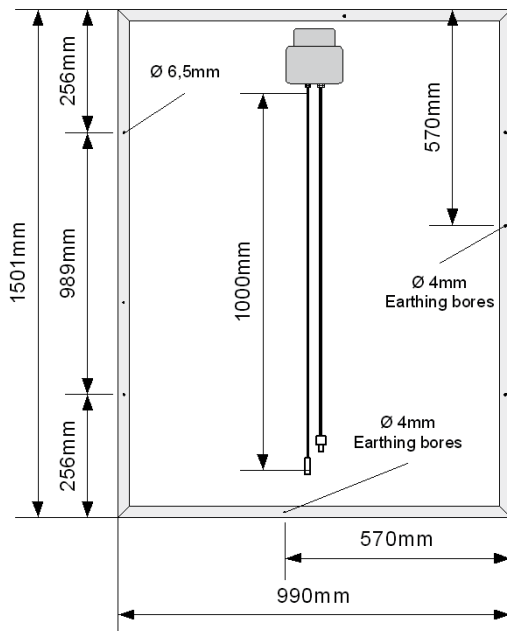
Quality Beyond Industry Standards

We exceed industry test standards by a factor of 2 to 3.

Available from your specialist dealer:

Technical data*

200 W/54-156 p



Module technology

Glass foil laminate with 54 poly crystalline
high efficiency solar cells "6"+

weight 22,2 kg

Low iron, **tempered, safety solar glass**

Encapsulation with UV stable, super transparent
ethylene vinyl acetate

Certified Junction box: asola AL

Cable/ plug: MC4 4 mm², alternative offers on request

Special anodized aluminum frame, 50 mm
screwed for max. **Mechanical load 5400 Pascal**

Certified according to DIN IEC 61215 and IEC 61730

Output class ** (W)	200	205	210
Open-circuit voltage U_{OC} (V)	33,16	33,40	33,48
Rated voltage U_{MPP} (V)	27,00	27,00	27,00
Short-circuit current I_{SC} (A)	7,92	8,08	8,15
Rated current I_{MPP} (A)	7,46	7,67	7,80
tolerances	+ 5 W + 2,5 %	+ 5 W + 2,4 %	+ 5 W + 2,4 %

Partial load at 300w/m²

Open-circuit voltage U_{OC} (V)	31,15	31,38	31,45
Rated voltage U_{MPP} (V)	26,49	26,49	26,49
Short-circuit current I_{SC} (A)	2,38	2,43	2,44
Rated current I_{MPP} (A)	2,24	2,30	2,34

Temperature coefficients

$P_M = -0,43 \text{ \%}/K$	$V_{OC} = -0,33 \text{ \%}/K$	$I_{SC} = +0,054 \text{ \%}/K$
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* Typical data

**The calibration laboratories are securing an absolute accuracy of $\pm 2 \text{ \%}$ for asola's calibration modules