

**Performance • Reliability**  
**210W/54-156 m**

**asola GmbH**  
Konrad-Zuse-Straße 25  
99099 Erfurt / Germany  
**Fon** +49 (0) 361 • 24 14 25 - 10  
**Fax** +49 (0) 361 • 24 14 25 - 90

[www.asola-power.com](http://www.asola-power.com)  
[info@asola-power.com](mailto:info@asola-power.com)



**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

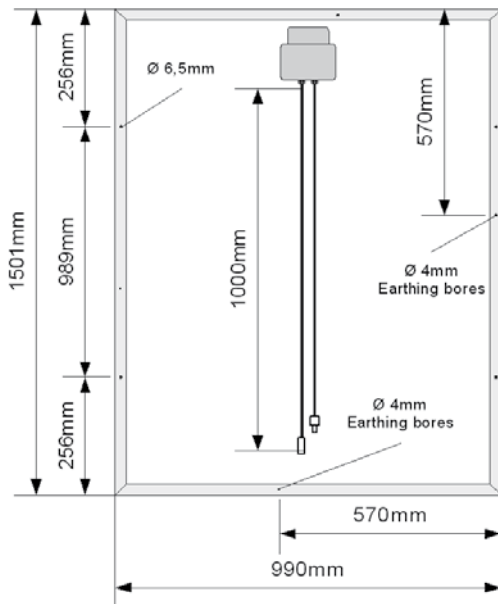
**Quality Beyond Industry Standards**

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

Available from your specialist dealer:

## Technical data\*

# 210W/54-156 m



## Module technology

Glass foil laminate with 54 single 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 mm<sup>2</sup>**, 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)	210	215	220
Open-circuit voltage $U_{OC}$ (V)	33,28	33,45	33,70
Rated voltage $U_{MPP}$ (V)	27,83	28,08	28,08
Short-circuit current $I_{SC}$ (A)	8,17	8,28	8,45
Rated current $I_{MPP}$ (A)	7,62	7,75	7,90
tolerances	+ 5 W + 2,4 %	+ 5 W + 2,3 %	+ 5 W + 2,3 %

### Partial load at 300w/m<sup>2</sup>

Open-circuit voltage $U_{OC}$ (V)	31,43	31,59	31,82
Rated voltage $U_{MPP}$ (V)	27,49	27,74	27,74
Short-circuit current $I_{SC}$ (A)	2,45	2,48	2,54
Rated current $I_{MPP}$ (A)	2,28	2,32	2,37

### Temperature coefficients

$P_M = -0,48 \text{ %/K}$	$V_{OC} = -0,36 \text{ %/K}$	$I_{SC} = +0,034 \text{ %/K}$
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\* Typical data

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