

**Performance • Reliability**  
**150W/40-156 m**

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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

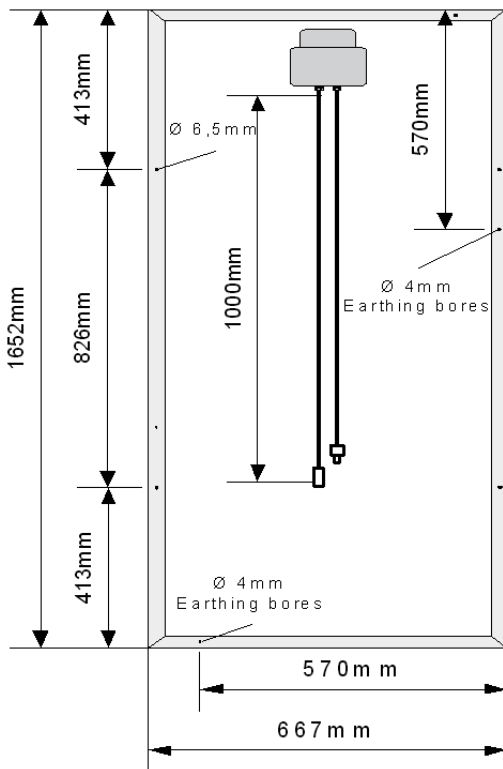
**Quality Beyond Industry Standards**

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

Available from your specialist dealer:

## Technical data\*

# 150W/40-156 m



## Module technology

Glass foil laminate with 40 single crystalline <b>high efficiency solar cells "6"+</b>
weight 12,6 kg
Low iron, <b>tempered, safety solar glass</b>
Encapsulation with UV stable, super transparent ethylene vinyl acetate
<b>Certified Junction box: asola AL</b>
<b>Cable/ plug: MC4 4 mm<sup>2</sup></b> , alternative offers on request
Special anodized aluminum frame, 50 mm screwed for max. <b>Mechanical load 5400 Pascal</b>
<b>Certified according to DIN IEC 61215 and IEC 61730</b>

Output class ** (W)	145	150	155
Open-circuit voltage $U_{OC}$ (V)	24,32	24,43	24,65
Rated voltage $U_{MPP}$ (V)	20,24	20,49	20,61
Short-circuit current $I_{SC}$ (A)	7,87	7,98	8,17
Rated current $I_{MPP}$ (A)	7,30	7,38	7,62
tolerances	+ 5 W + 3,4 %	+ 5 W + 3,3 %	+ 5 W + 3,2 %

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

Open-circuit voltage $U_{OC}$ (V)	22,96	23,06	23,28
Rated voltage $U_{MPP}$ (V)	19,99	20,24	20,36
Short-circuit current $I_{SC}$ (A)	2,36	2,40	2,45
Rated current $I_{MPP}$ (A)	2,19	2,21	2,28

### 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