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**Performance • Reliability**  
**250 W / 60 - 156 m / 2**



**Effective:** Optimum Price-Performance Balance

## German Engineering

Built to China automotive industry's highest quality standards  
With full automatic solar module production lines

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)

10-years product warranty

Frame without silicon

## Reliable Construction

State of the art, crystalline high efficiency cells 156 mm

Encapsulation materials – made by world wide market leader

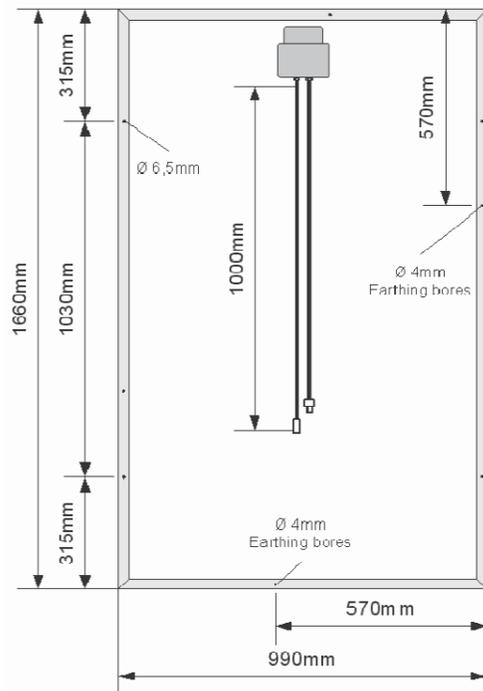
Junction boxes for highest security and excellent cooling of by-pass diodes

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



## Module technology

|   |
|---|
| Glass foil module with 60 single crystalline high efficiency solar cells 6"+        |
| Weight 23kg   |
| Low iron, tempered, safety solar glass  |
| Encapsulation with UV stable, super transparent ethylene vinyl acetate              |
| Certified junction box: asola   |
| Plug: MC4 or MC4 compatible (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)                | 240             | 245            | 250            |
|------------------------------------|-----------------|----------------|----------------|
| Open-circuit voltage $U_{OC}$ (V)  | 37,17           | 37,44          | 37,80          |
| Rated voltage $U_{MPP}$ (V)        | 31,17           | 31,20          | 31,20          |
| Short-circuit current $I_{SC}$ (A) | 8,28            | 8,45           | 8,55           |
| Rated current $I_{MPP}$ (A)        | 7,75            | 7,90           | 8,10           |
| Tolerances                         | + 5 W<br>+ 2,1% | +5 W<br>+ 2,0% | +5 W<br>+ 2,0% |
| Max. permitted system voltage      | 1000 V DC       |                |                |

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

|                                    |       |       |       |
|------------------------------------|-------|-------|-------|
| Open-circuit voltage $U_{OC}$ (V)  | 35,10 | 35,35 | 34,95 |
| Rated voltage $U_{MPP}$ (V)        | 30,79 | 30,82 | 29,43 |
| Short-circuit current $I_{SC}$ (A) | 2,48  | 2,54  | 2,50  |
| Rated current $I_{MPP}$ (A)        | 2,33  | 2,37  | 2,37  |

### Temperature coefficients

|                      |                        |                         |
|----------------------|------------------------|-------------------------|
| $P_M = -0,438\% / K$ | $V_{OC} = -0,36\% / K$ | $I_{SC} = +0,034\% / K$ |
|----------------------|------------------------|-------------------------|

\* Typical data

\*\* The calibration laboratories are securing an absolute accuracy of  $\pm 3\%$  for asola's calibration modules