



Inspiring green-energy since 2003

## AE POWERPLUS POLYCRYSTALLINE PV MODULES AE P6-60 Series 250W-275W

|                    |                         |                      |                                 |                       |  |                                |
|--------------------|-------------------------|----------------------|---------------------------------|-----------------------|--|--------------------------------|
| <b>60</b><br>CELLS | <br>MICRO-CRACK<br>FREE | <br>PID<br>RESISTANT | <br>SALT CORROSION<br>RESISTANT | <br>SAND<br>RESISTANT | $\frac{NH_3}{S}$<br>AMMONIA<br>RESISTANT | <br>HIGHLY STABLE<br>AND TOUGH |
|--------------------|-------------------------|----------------------|---------------------------------|-----------------------|--|--------------------------------|

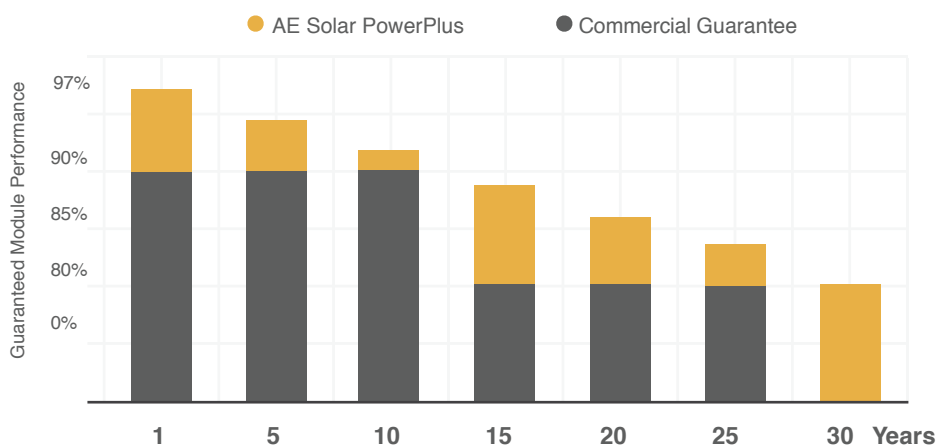
**✓ GERMAN QUALITY**  
AE Solar photovoltaic modules are produced using high quality materials, automated robotic lines, German technology and standards.

**🕒 PERFORMANCE GUARANTEE**  
AE Solar assures high investment, security and warranty claims by providing linear performance guarantee of 30 years and 12 years of product warranty.

**+ PLUS-SORTING**  
Higher yield due to plus-sorting from 0 up to +5 Wp guarantees the high system efficiency and yield stability.

**📄 CERTIFICATES**  
Lining with international standards, AE Solar Photovoltaic modules are tested and certified under extreme stress conditions and it can bear harsh environment influences.

### OUR PERFORMANCE GUARANTEE



**30**  
years  
Performance  
Guarantee

**12**  
years  
Product  
Warranty



Deutsche  
Qualität  
Garantiert

# TECHNICAL DATA

## AE P6-60 Series 250W-275W

### SPECIFICATIONS

AE250P6-60 AE255P6-60 AE260P6-60 AE265P6-60 AE270P6-60 AE275P6-60

|  |                       |            |       |       |       |       |       |
|--|-----------------------|------------|-------|-------|-------|-------|-------|
| Nominal Max. Power                     | P <sub>max</sub> (Wp) | 250        | 255   | 260   | 265   | 270   | 275   |
| Maximum power voltage                  | V <sub>mp</sub> (V)   | 29.16      | 29.58 | 29.99 | 30.41 | 30.82 | 31.24 |
| Maximum power current                  | I <sub>mp</sub> (A)   | 8.57       | 5.62  | 8.67  | 8.71  | 8.76  | 8.80  |
| Open-circuit voltage                   | V <sub>oc</sub> (V)   | 37.48      | 37.68 | 37.89 | 38.10 | 38.31 | 38.52 |
| Short-circuit current                  | I <sub>sc</sub> (A)   | 9.11       | 9.15  | 9.22  | 9.26  | 9.31  | 9.35  |
| Module efficiency                      | (%)                   | 15.27      | 15.58 | 15.88 | 16.19 | 16.50 | 16.80 |
| Power tolerance                        | P <sub>max</sub> (Wp) | 0 / + 5    |       |       |       |       |       |
| Maximum system voltage DC              | (V)                   | 1000       |       |       |       |       |       |
| Operating temperature                  | (°C)                  | -40 to +85 |       |       |       |       |       |
| Temp. coefficients of P <sub>max</sub> | (%/°C)                | -0.40      |       |       |       |       |       |
| Temp. coefficients of V <sub>oc</sub>  | (%/°C)                | -0.31      |       |       |       |       |       |
| Temp. coefficients of I <sub>sc</sub>  | (%/°C)                | 0.053      |       |       |       |       |       |
| Nom. Operating cell temp.(NOCT)        | (°C)                  | 45±2       |       |       |       |       |       |

The electrical data apply to standard test conditions (STC): Irradiance of 1000 W/m<sup>2</sup> with spectrum AM 1.5 and a cell temperature of 25°C.

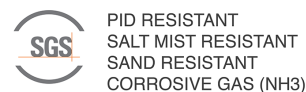
### MATERIAL CHARACTERISTICS

|                 |   |
|-----------------|---|
| Cell type       | Poly-crystalline 156 x 156mm                        |
| No. of cells    | 60 (6 x 10)   |
| Dimensions      | 1650 x 992 x 35mm                                   |
| Weight          | 18.5 kg   |
| Junction box    | IP 67 rated   |
| Output cable    | 1 x 4.0mm <sup>2</sup> , 900mm length or customised |
| Connector type  | MC 4 / MC 4 compatible                              |
| Hail resistance | Max. Ø 28 mm, at 23 m/s                             |
| Wind load       | 2400 Pa / 244 kg/m <sup>2</sup>                     |
| Mechanical load | 5400 Pa / 550 kg/m <sup>2</sup>                     |

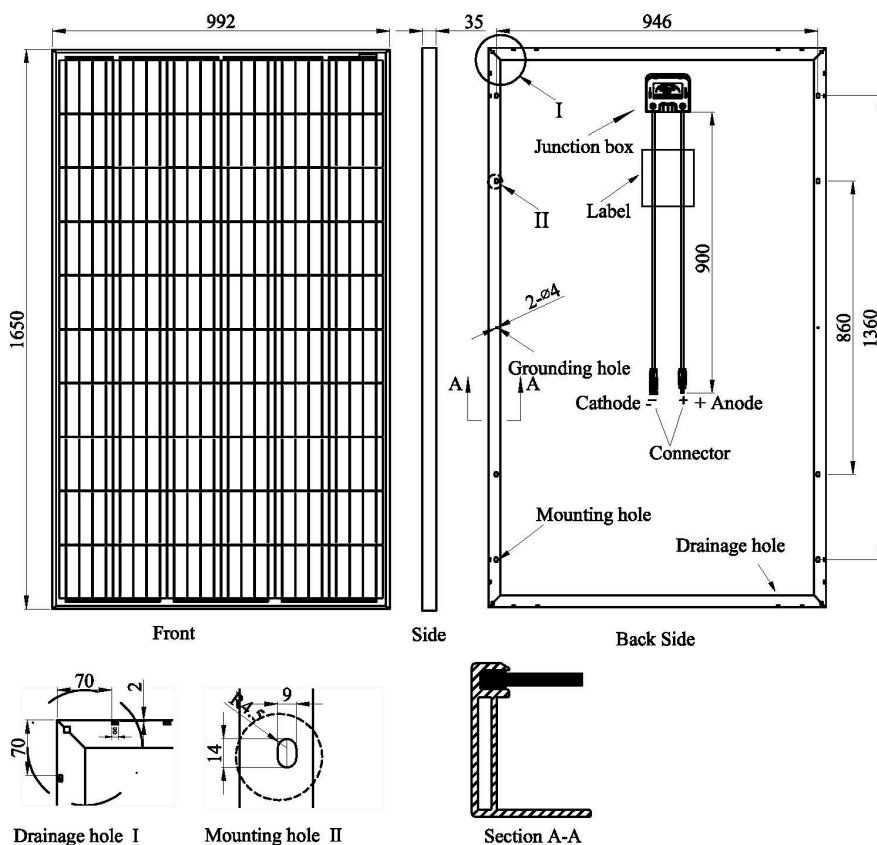
### PACKAGING INFORMATION

|                       |                        |
|-----------------------|------------------------|
| Packing configuration | 62 pcs / double pallet |
| Loading Capacity      | 868 pcs / 40HQ         |
| Size / pallet (mm)    | 1690 x 1135 x 2335     |
| Weight                | 1260 kg / pallet       |

### CERTIFICATES



Distributor:



AES-DSH2018 V.001

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