AE POWER PLUS PV MODULES

tested by Fraunhofer CSP

pv magazine 2018 top innovation
**PERC Technology**

**AE POWERPLUS MONOCRystalline PV Modules**

**AE M6-72 Series 345W-370W**

developed by Fraunhofer CSP

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**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.

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**OUR PERFORMANCE GUARANTEE**

![Graph showing performance guarantee over 30 years.](chart.png)

- **30 years** Performance Guarantee
- **12 years** Product Warranty

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**GERMAN QUALITY**

AE Solar is a leading manufacturer of solar photovoltaic modules, providing high-quality, reliable, and innovative solutions.

**PERFORMANCE GUARANTEE**

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## TECHNICAL DATA
AE M6-72 Series 345W-370W

### SPECIFICATIONS

<table>
<thead>
<tr>
<th>Model</th>
<th>Nominal Max. Power Pmax (Wp)</th>
<th>Maximum power voltage Vmp(V)</th>
<th>Maximum power current Imp (A)</th>
<th>Open-circuit voltage Voc(V)</th>
<th>Short-circuit current Isc (A)</th>
<th>Module efficiency (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>AE345M6-72</td>
<td>345</td>
<td>39.34</td>
<td>8.77</td>
<td>47.08</td>
<td>9.51</td>
<td>17.78</td>
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<tr>
<td>AE350M6-72</td>
<td>350</td>
<td>39.46</td>
<td>8.87</td>
<td>47.149</td>
<td>9.551</td>
<td>18.04</td>
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<tr>
<td>AE355M6-72</td>
<td>355</td>
<td>39.51</td>
<td>8.99</td>
<td>47.3</td>
<td>9.58</td>
<td>18.30</td>
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<tr>
<td>AE360M6-72</td>
<td>360</td>
<td>39.55</td>
<td>9.10</td>
<td>47.38</td>
<td>9.62</td>
<td>18.55</td>
</tr>
<tr>
<td>AE365M6-72</td>
<td>365</td>
<td>39.58</td>
<td>9.22</td>
<td>47.42</td>
<td>9.65</td>
<td>18.81</td>
</tr>
<tr>
<td>AE370M6-72</td>
<td>370</td>
<td>39.63</td>
<td>9.34</td>
<td>47.48</td>
<td>9.69</td>
<td>19.07</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Power tolerance</th>
<th>Maximum system voltage DC (V)</th>
<th>Operating temperature (°C)</th>
<th>Temp. coefficients of Pmax (%/°C)</th>
<th>Temp. coefficients of Voc (%/°C)</th>
<th>Temp. coefficients of Isc (%/°C)</th>
<th>Nom. Operating cell temp.(NOCT) (°C)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 / + 5</td>
<td>1000</td>
<td>-40 to +85</td>
<td>-0.38</td>
<td>-0.29</td>
<td>0.050</td>
<td>45±2</td>
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</tbody>
</table>

The electrical data apply to standard test conditions (STC): Irradiance of 1000 W/m² with spectrum AM 1.5 and a cell temperature of 25°C.

### MATERIAL CHARACTERISTICS

- **Cell type**: Mono-crystalline 156 x 156mm
- **No. of cells**: 72 (6 x 12)
- **Dimensions**: 1956 x 992 x 40mm
- **Weight**: 23 kg
- **Junction box**: IP 67 rated
- **Output cable**: 1 x 4.0mm², 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/m²
- **Mechanical load**: 5400 Pa / 550 kg/m²

### PACKAGING INFORMATION

- **Packing configuration**: 56 pcs / double pallet
- **Loading Capacity**: 672 pcs / 40HQ
- **Size / pallet (mm)**: 1990 x 1120 x 2335
- **Weight**: 1380 kg / pallet

### DIMENSIONS

![Diagram of AE M6-72 solar panel]

### CERTIFICATES

![Certificates and logos]

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