AE BI-MAX MODULE
AE BM6-60 Series 280W-285W

POWER RANGE
- Plus-Sorting 0 to +4.99 Wp

PID RESISTANT
- Potential Induced Degradation Free

SALT CORROSION RESISTANT
- Certified for Salt Rich Environment

SAND RESISTANT
- Certified for Sand Rich Environment

AMMONIA RESISTANT
- Certified for Ammonia Rich Atmosphere

HIGHLY STABLE AND TOUGH
- Maximum Mechanical Load 5400 Pa

AE Solar BI-MAX generate energy from both the sides
Up to 30% more power depending on the albedo
Optimal self-cleaning due to frameless module design
20 years product warranty and 30 years linear performance guarantee

GERMAN QUALITY
AE Solar photovoltaic modules are manufactured using high-quality materials, automated machine, German Technology and Standards

PLUS-SORTING
Higher yield due to plus-sorting of 0 to +4.99 Wp guarantees the high system efficiency and yield stability

PERFORMANCE GUARANTEE
AE Solar assures high investment, security and warranty claims by providing linear performance guarantee of 30 years and 20 years of product warranty

CERTIFICATES
Lining with International Standards, AE Solar Photovoltaic modules are tested and certified under extreme stress and it can bear harsh environmental influences

OUR PERFORMANCE GUARANTEE

AE Solar Power Plus Commercial Guarantee
97% 90% 80% 0% 30% 20% 25% 85% 15% 10% 5% 1%

German Quality

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ELECTRICAL DATA

<table>
<thead>
<tr>
<th>AE280BM6-60</th>
<th>Considering the power gain from rear side</th>
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<tbody>
<tr>
<td>AE285BM6-60</td>
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<tr>
<td>Nominal power</td>
<td>Pm (Wp)</td>
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<tr>
<td>Open circuit voltage</td>
<td>Voc (V)</td>
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<tr>
<td>Short-circuit current</td>
<td>1sc (A)</td>
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<tr>
<td>Voltage at max power</td>
<td>Vmp (V)</td>
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<tr>
<td>Current at max power</td>
<td>Imp (A)</td>
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<tr>
<td>Module Efficiency</td>
<td>(%)</td>
</tr>
<tr>
<td>System Voltage</td>
<td>(V)</td>
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<tr>
<td>Temp. coefficient Voc</td>
<td>(%/°C)</td>
</tr>
<tr>
<td>Temp. coefficient lsc</td>
<td>(%/°C)</td>
</tr>
<tr>
<td>Temp. coefficient Pm</td>
<td>(%/°C)</td>
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<tr>
<td>Operating temp.</td>
<td>(°C)</td>
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<tr>
<td>NOCT</td>
<td>(°C)</td>
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</tbody>
</table>

TECHNICAL DATA

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.

TECHNICAL DATA

- Junction box: IP 67
- Wire cross section (Ø, mm²): 4.0
- Cable length (mm): 250
- Connector type: RH 05-B/IP67 or LSC-R1/IP68 or LSC-R2/IP68
- Dimensions (L x W x H, mm): 1658 x 992 x 6
- Weight (kg): 23
- Cell specification (mm) / bus bar: Mono 156 / 6 x 10 / 4
- Hail resistance: Max. Ø 25 mm, at 23 m/s
- Wind load: 2400Pa / 244kg / m²
- Mechanical load: 5400Pa / 550kg / m²
- Front and back cover (material / thickness): low-iron tempered glass / 2.5mm x 2

PACKAGING INFORMATION

- Packing configuration: 33pcs / pallet
- Loading Capacity: 858pcs / 40HQ
- Size / pallet (mm): 1780 x 1140 x 1183
- Pallet weight: 822 kg