AEG solar modules combine the most advanced technology with high reliability in manufacture to offer you a product meant for high achievements.

445 - 455 Wp
120 MONOCRystalline HALF-CUT CELLS

OPTIMIZED DESIGN, MAXIMUM EFFICIENCY
AEG solar modules with half-cut cells (M6) and 9 busbar technology are designed to maximize efficiency and plant performance. The 130 cm extra-long cables allow more installation flexibility.

CAREFUL SELECTION, PREMIUM LOOK
The careful selection of components (cells, backsheet and frames) ensures a premium product look and provides extra aesthetical value.

COMPREHENSIVELY CERTIFIED
AEG solar modules and production facilities are compliant with the latest standards to guarantee safety and reliability. Production facilities are certified according to ISO 9001, ISO 14001 and OHSAS 18001. AEG solar products are certified among others by:

YOUR ADVANTAGE AT A GLANCE
Premium solar panel with quality components
High efficiency - up to 455 Wp
12 years Product warranty
25 years linear Power warranty

www.aeg-industrialsolar.de
PHOTOVOLTAIC MODULE AS-M1443-H (M6 cells)

**ELECTRICAL CHARACTERISTICS AT STC**

<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>Power Sorting</td>
<td>-0 / +5</td>
<td>-0 / +5</td>
<td>-0 / +5</td>
</tr>
<tr>
<td>Maximum Power Voltage</td>
<td>41.05 [V]</td>
<td>41.32 [V]</td>
<td>41.51 [V]</td>
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<tr>
<td>Open Circuit Voltage</td>
<td>48.80 [V]</td>
<td>49.05 [V]</td>
<td>49.35 [V]</td>
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<tr>
<td>Module Efficiency (ηm)</td>
<td>201%</td>
<td>204%</td>
<td>206%</td>
</tr>
<tr>
<td>Maximum System Voltage</td>
<td>1000 [V]</td>
<td>1000 [V]</td>
<td>1000 [V]</td>
</tr>
</tbody>
</table>

**ELECTRICAL CHARACTERISTICS NMOT**

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>Nominal Power (Pmax)</td>
<td>330.8 [W]</td>
<td>334.5 [W]</td>
<td>338.2 [W]</td>
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<tr>
<td>Maximum Power Voltage</td>
<td>3812 [V]</td>
<td>3837 [V]</td>
<td>3855 [V]</td>
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<tr>
<td>Open Circuit Voltage</td>
<td>45.70 [V]</td>
<td>45.94 [V]</td>
<td>46.22 [V]</td>
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</tbody>
</table>

**MECHANICAL CHARACTERISTICS**

- Solar cells: 144 [(6 x 12) x 2] monocrystalline silicon, 166 x 83 mm (M6) half-cut cells
- Front glass: 3.2 mm (0.12") high-transparency glass
- Backsheet: White backsheet
- Encapsulant: EVA (Ethylene-Vinyl Acetate)
- Frame: Anodized aluminum alloy, silver or black color ("zebra")
- Junction box: IP68, 3 bypass diodes
- Cables: UV resistant cable 130 cm (51") sec. 4.0 mm²
- Connectors: MC4 compatible connectors
- Dimensions: 2108 mm x 1048 mm x 35 mm (83" x 41.25" x 1.38")
- Weight: 24 kg (52.9 lbs)
- Maximum load: Wind: 2400 Pa / Snow: 5400 Pa

**TEMPERATURE CHARACTERISTICS**

- NOCT: 44°C ± 2°C
- Pmax Temp. Coefficient (γ): -0.35 %/C
- Voc Temp. Coefficient (β): -0.28 %/C
- Isc Temp. Coefficient (α): 0.04 %/C
- Operating temperature: -40°C to +85°C

**PACKING CONFIGURATION**

- Packing configuration: 31 pcs / pallet
- Loading capacity: 791 pcs / 40 ft container

**WARRANTIES**

- Product warranty: 12 years
- Performance warranty: 25 years, linear

**I-V CURVES / IRRADIANCES**

**CONTACT US**

Solar Solutions GmbH | Brückenstrasse 94 | 60594 Frankfurt am Main | Germany
Tel: +49 69 400 500 810 | Fax: +49 69 400 500 819 | Mail: info@aeg-industrialsolar.de
www.aeg-industrialsolar.de