BS-6P5-EL
Polycrystalline solar module 265 - 275 W

PERFORMANCE GUARANTEE
20 years product warranty and a linear performance guarantee over a period of 25 years

CERTIFICATION
Permanent in-house quality control, multiple certifications by accredited inspection bodies

EFFICIENCY
High efficiency for optimum yield - innovations directly influence the production process

POSITIVE POWER TOLERANCE
Exclusive delivery of solar modules with positive power tolerance only

WEATHER-RESISTANT
Standardized mechanical load test guards against damage from wind and weather

GERMAN GUARANTOR
In case of need it is ensured that a German company assumes the claim settlement

SAFETY
High-quality components ensure maximum protection in all weather conditions

HANDLING
Low storage / transport cost and easy installation thanks to an intelligent packaging concept

BAUER ecoLine
HIGH QUALITY STANDARDS BY GERMAN ENGINEERS
**Mechanical Data**
- **Cell type**: polycrystalline 156 x 156 mm
- **Cell formation**: 6 x 10 (60)
- **Module dimensions**: 1640 x 990 x 35 mm
- **Weight**: 18.3 kg
- **Front cover**: tempered glass, 3.2 mm
- **Frame material**: anodized aluminium alloy
- **Module back**: TPT foil
- **Embedding material**: EVA
- **Connection**: junction box ≥ IP 65
- **Number of diodes**: 3 x 2 bypass diodes
- **Cable / connector**: 4 mm², 1000 mm, MC4-compatible

**Temperature coefficients**
- **Nom. operating cell temp. (NOCT)**: 45°C ± 2
- **Temperature coefficient of I_{sc}**: +0.045 %/K
- **Temperature coefficient of V_{oc}**: -0.292 %/K

**Operational conditions**
- **Maximum system voltage**: 1000 V DC (TÜV)
- **Operating temperature**: -40 bis 85°C
- **Maximum series fuse rating**: 20 A
- **Static load (snow/wind)**: 5400 Pa
- **Hail**: Ø 25 mm bei 23 m/s

**Electrical data**

<table>
<thead>
<tr>
<th></th>
<th>BS-265-6P5-EL</th>
<th>BS-270-6P5-EL</th>
<th>BS-275-6P5-EL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nominal maximum power P_{max} (Wp)</td>
<td>265 W</td>
<td>270 W</td>
<td>275 W</td>
</tr>
<tr>
<td>Power output tolerance P_{max} (%)</td>
<td>0 ~ +3</td>
<td>0 ~ +3</td>
<td>0 ~ +3</td>
</tr>
<tr>
<td>Optimum operating voltage V_{mpp} (V)</td>
<td>31,00</td>
<td>31,20</td>
<td>31,30</td>
</tr>
<tr>
<td>Optimum operating current I_{mpp} (A)</td>
<td>8,55</td>
<td>8,67</td>
<td>8,79</td>
</tr>
<tr>
<td>Short circuit current I_{sc} (A)</td>
<td>9,10</td>
<td>9,19</td>
<td>9,27</td>
</tr>
<tr>
<td>Open circuit voltage V_{oc} (V)</td>
<td>38,20</td>
<td>38,30</td>
<td>38,40</td>
</tr>
<tr>
<td>Module efficiency η_{m} (%)</td>
<td>16,32</td>
<td>16,63</td>
<td>16,94</td>
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</table>

**Dimensions**

**Warranty conditions**
- **Product warranty**: 20 years
- **Performance guarantee**: 25 years (min. 80% after 25 years)

**Packaging units**
- **Modules per pallet**: 30 pcs
- **Module per truck**: 840 pcs

**Qualification & certification**
- IEC 61215:2005

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1Values under Standard Test Conditions (STC): air mass 1.5 AM, irradiance 1000 W/m², cell temperature 25°C. STC measuring tolerance: ±3 % (P_{max}), ±10 % (V_{mpp}, I_{mpp}, V_{oc}, I_{sc}). Nominal value is specified in the written warranty conditions. Note: Please read safety instructions and installation manual before using this product. Subject to change. © 2017 Bauer Energiekonzepte GmbH. Effective 13th of october 2017.

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