THE Honey MODULE
TSM-PC05A

60 CELL
MULTICRYSTALLINE MODULE

255–265W
POWER OUTPUT RANGE

16.2%
MAXIMUM EFFICIENCY

0/+5W
POSITIVE POWER TOLERANCE

Excellent low light performance on cloudy days, mornings and evenings
• Advanced surface texturing
• Back surface field
• Selective emitter

Maximize Limited Space
• 60-cell module power output up to 265W
• Up to 162 W/m² power density

Highly reliable due to stringent quality control
• All modules have to pass electroluminescence (EL) inspection
• Over 30 in-house tests (UV, TC, HF, and many more)
• In-house testing goes well beyond certification requirements
• PID resistant

Certified to withstand challenging environmental conditions
• 130 km/h wind load (2400 Pa)
• 900 kg snow load per module (5400 Pa)
• 35 mm hail stones at 97 km/h
• Ammonia resistance
• Salt mist resistance
• Resistance to sand and dust abrasion

TRINA SOLAR: A STRONG AND RELIABLE PARTNER
As a leading global manufacturer of next generation photovoltaic products, Trina Solar is committed to building mutually beneficial alliances with installers, developers, distributors and technological partners as the backbone of our shared goal to drive Smart Energy Together. Thanks to an extensive sales and service network with local expert teams throughout Europe, Trina Solar is perfectly positioned to support your needs. With Trina Solar as your strong, bankable partner you can rest assured knowing that you’ve made the right choice.

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### ELECTRICAL DATA @ STC

<table>
<thead>
<tr>
<th>Model</th>
<th>TSM-255 PC05A</th>
<th>TSM-260 PC05A</th>
<th>TSM-265 PC05A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Peak Power Watts-P&lt;sub&gt;MAX&lt;/sub&gt; (Wp)</td>
<td>255</td>
<td>260</td>
<td>265</td>
</tr>
<tr>
<td>Power Output Tolerance-P&lt;sub&gt;MAX&lt;/sub&gt; (W)</td>
<td>0/+5</td>
<td>0/+5</td>
<td>0/+5</td>
</tr>
<tr>
<td>Maximum Power Voltage-V&lt;sub&gt;MPP&lt;/sub&gt; (V)</td>
<td>30.5</td>
<td>30.6</td>
<td>30.8</td>
</tr>
<tr>
<td>Maximum Power Current-I&lt;sub&gt;MPP&lt;/sub&gt; (A)</td>
<td>8.37</td>
<td>8.50</td>
<td>8.61</td>
</tr>
<tr>
<td>Open Circuit Voltage-V&lt;sub&gt;OC&lt;/sub&gt; (V)</td>
<td>38.1</td>
<td>38.2</td>
<td>38.3</td>
</tr>
<tr>
<td>Short Circuit Current-I&lt;sub&gt;SC&lt;/sub&gt; (A)</td>
<td>8.88</td>
<td>9.00</td>
<td>9.10</td>
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<tr>
<td>Module Efficiency η (%)</td>
<td>15.6</td>
<td>15.9</td>
<td>16.2</td>
</tr>
</tbody>
</table>

STC: Irradiance 1000 W/m², Cell Temperature 25°C, Air Mass AM1.5 according to EN 60904-3.

Average efficiency reduction of 4.5% at 200 W/m² according to EN 60904-1.

### ELECTRICAL DATA @ NOCT

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<tr>
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<th>TSM-265 PC05A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum Power-P&lt;sub&gt;MAX&lt;/sub&gt; (Wp)</td>
<td>190</td>
<td>193</td>
<td>197</td>
</tr>
<tr>
<td>Maximum Power Voltage-U&lt;sub&gt;MPP&lt;/sub&gt; (V)</td>
<td>28.2</td>
<td>28.4</td>
<td>28.6</td>
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<tr>
<td>Maximum Power Current-I&lt;sub&gt;MPP&lt;/sub&gt; (A)</td>
<td>6.71</td>
<td>6.81</td>
<td>6.89</td>
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<tr>
<td>Open Circuit Voltage-U&lt;sub&gt;OC&lt;/sub&gt; (V)</td>
<td>35.3</td>
<td>35.4</td>
<td>35.5</td>
</tr>
<tr>
<td>Short Circuit Current-I&lt;sub&gt;SC&lt;/sub&gt; (A)</td>
<td>7.17</td>
<td>7.27</td>
<td>7.35</td>
</tr>
</tbody>
</table>

NOCT: Irradiance at 800 W/m², Ambient Temperature 20°C, Wind Speed 1 m/s.

### MECHANICAL DATA

- Solar Cells: Multicrystalline 156 x 156 mm
- Cell Orientation: 60 cells (6 x 10)
- Module Dimensions: 1650 x 992 x 35 mm
- Weight: 18.6 kg
- Glass: High Transparency, Anti-Reflective, AR Coated and Heat Tempered Solar Glass - 3.2mm
- Backsheet: White
- Frame: Silver Anodized Aluminium Alloy
- Cables: Photovoltaic Technology Cable 4.0 mm², 1000 mm
- Connector: MC4 Compatible

### TEMPERATURE RATINGS

- Nominal Operating Cell Temperature (NOCT): 44°C (±2K)
- Temperature Coefficient of P<sub>MAX</sub> : -0.41%/K
- Temperature Coefficient of V<sub>OC</sub> : -0.32%/K
- Temperature Coefficient of I<sub>SC</sub> : 0.05%/K

### MAXIMUM RATINGS

- Operational Temperature: -40 to +85°C
- Maximum System Voltage: 1000V DC (IEC)
- Max Series Fuse Rating: 15A
- Mechanical Load: 5400 Pa
- Wind Load: 2400 Pa

### WARRANTY

- 10 year Product Workmanship Warranty
- 25 year Linear Performance Warranty

(please refer to product warranty for details)

### PACKAGING CONFIGURATION

- Modules per box: 30 pieces
- Modules per 40' container: 840 pieces

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**CAUTION:** READ SAFETY AND INSTALLATION INSTRUCTIONS BEFORE USING THE PRODUCT.

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