As a leading global manufacturer of next generation photovoltaic products, we believe close cooperation with our partners is critical to success. With local presence around the globe, Trina is able to provide exceptional service to each customer in each market and supplement our innovative, reliable products with the backing of Trina as a strong, bankable partner. We are committed to building strategic, mutually beneficial collaboration with installers, developers, distributors and other partners as the backbone of our shared success in driving Smart Energy Together.

Trina Solar Limited
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Our most versatile product
• Compatible with all major BOS components and system designs
• 1000V UL/1000V IEC certified

Maximize Limited Space
• 60-cell module power output up to 270W
• Up to 165 W/m² power density

Highly reliable due to stringent quality control
• Over 30 in-house tests (UV, TC, HF, and many more)
• In-house testing goes well beyond certification requirements
• PID resistant
• 100% EL double inspection

Certified to withstand challenging environmental conditions
• 2400 Pa wind load
• 5400 Pa snow load
• 35 mm hail stones at 97 km/h

Comprehensive products and system certificates
• IEC 61215/ IEC 61730/ UL 1703/ IEC 61701/IEC 62716
• ISO 9001: Quality Management System
• ISO 14001: Environmental Management System
• ISO 14064: Greenhouse Gases Emissions Verification
• OHSAS 18001: Occupation Health and Safety Management System

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THE ALLMAX MODULE

**PRODUCTS**
- TSM-PD05.08: 260-270W
- TSM-PD05.05: 255-265W

**DIMENSIONS OF PV MODULE**

**POWER RANGE**

<table>
<thead>
<tr>
<th>PART NUMBER</th>
<th>POWER RANGE</th>
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<tbody>
<tr>
<td>TSM-PD05.08</td>
<td>260-270W</td>
</tr>
<tr>
<td>TSM-PD05.05</td>
<td>255-265W</td>
</tr>
</tbody>
</table>

**ELECTRICAL DATA (STC)**

- **Peak Power Watts-**P_{MAX}\(^{*}\)\(^{*}\): 255, 260, 265, 270
- **Power Output Tolerance-P_{MAX}:** 0 ~ +5
- **Maximum Power Voltage-V_{MPPT}:** 30.5, 30.6, 30.8, 30.9
- **Maximum Power Current-I_{MPPT} (A):** 8.37, 8.50, 8.61, 8.73
- **Open Circuit Voltage-V_{OC} (V):** 38.1, 38.2, 38.3, 38.4
- **Short Circuit Current-I_{SC} (A):** 8.88, 9.00, 9.10, 9.18
- **Module Efficiency \eta_{MC} [%]:** 15.6, 15.9, 16.2, 16.5

STC: Irradiance 1000 W/m², Cell Temperature 25°C, Air Mass AM1.5.

**ELECTRICAL DATA (NOCT)**

- **Maximum Power-P_{MAX} (W):** 189, 193, 197, 200
- **Maximum Power Voltage-V_{MPPT} (V):** 28.2, 28.4, 28.6, 28.7
- **Maximum Power Current-I_{MPPT} (A):** 6.71, 6.81, 6.89, 6.97
- **Open Circuit Voltage-V_{OC} (V):** 35.3, 35.4, 35.5, 35.5
- **Short Circuit Current-I_{SC} (A):** 7.17, 7.27, 7.35, 7.41

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

**MECHANICAL DATA**

- **Solar Cells:** Multicrystalline 156 × 156 mm (6 inches)
- **Cell Orientation:** 60 cells (6 × 10)
- **Module Dimensions:** 1650 × 992 × 35 mm (65.0 × 39.1 × 1.38 inches)
- **Weight:** 18.6 kg (41.0 lb)
- **Glass:** 3.2 mm (0.13 inches), High Transmission, AR Coated Tempered Glass
- **Backsheet:** White (PD05.08); Black (PD05.05)
- **Frame:** IP 67 or IP 68 rated
- **Cables:** Photovoltaic Technology Cable 4.0mm² (0.006 inches²), 1000 mm (39.4 inches)
- **Connector:** MC4 Compatible or Amphenol H4/UTX
- **Fire Type:** Type 1 or Type 2

**TEMPERATURE RATINGS**

- **Nominal Operating Cell Temperature (NOCT):** 44°C (+2°C)
- **Temperature Coefficient of P_{MAX}:** -0.41%/°C
- **Temperature Coefficient of V_{OC}:** -0.32%/°C
- **Temperature Coefficient of I_{SC}:** 0.05%/°C

**MAXIMUM RATINGS**

- **Operational Temperature:** -40~+85°C
- **Maximum System Voltage:** 1000V DC (IEC 1000V DC (UL))
- **Max Series Fuse Rating:** 15A

**WARRANTY**

- 10 year Product Workmanship Warranty
- 25 year Linear Power 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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