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 goal to drive Smart Energy Together.
**THE DUOMAX MODULE**

**TSM-PEG5**

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**ELECTRICAL DATA (STC)**

- Peak Power Watts-$P_{MAX}$ (Wp) | 250 | 255 | 260 | 265
- Power Output Tolerance-$P_{MAX}$ (%) | 0 ~ +3
- Maximum Power Voltage-$V_{MPP}$ (V) | 30.0 | 30.3 | 30.5 | 30.8
- Maximum Power Current-$I_{MPP}$ (A) | 8.34 | 8.42 | 8.52 | 8.60
- Open Circuit Voltage-$V_{OC}$ (V) | 37.5 | 37.5 | 37.6 | 37.6
- Short Circuit Current-$I_{SC}$ (A) | 8.97 | 9.01 | 9.10 | 9.20
- Module Efficiency-$\eta_{m}$ (%) | 15.2 | 15.5 | 15.8 | 16.1

*STC: Irradiance 1000 W/m², Cell Temperature 25°C, Air Mass AM1.5 according to EN 60904-3. Typical efficiency reduction of 4.5% at 200 W/m² according to EN 60904-1.*

**ELECTRICAL DATA (NOCT)**

- Maximum Power-$P_{MAX}$ (Wp) | 186 | 190 | 193 | 197
- Maximum Power Voltage-$V_{MPP}$ (V) | 27.5 | 27.7 | 27.9 | 28.1
- Maximum Power Current-$I_{MPP}$ (A) | 6.78 | 6.84 | 6.93 | 7.02
- Open Circuit Voltage-$V_{OC}$ (V) | 34.8 | 34.8 | 34.8 | 34.9
- Short Circuit Current-$I_{SC}$ (A) | 7.24 | 7.28 | 7.35 | 7.43

*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: 1658 × 992 × 6 mm (1658 x 992 x 25 mm with junction box)
- Weight: 23.5 kg (51.8lb)
- Front Glass: 2.5 mm, High Transmission, AR Coated and Heat Strengthened Glass
- EVA: White
- Back Glass: Heat Strengthened Glass, 2.5 mm
- Frame: Frameless
- J-Box: IP 65 or IP 67 rated
- Cables: Photovoltaic Technology cable 4.0mm² (0.006 inches²), Portrait-250/130mm, Landscape-1150/1150mm.
- Connector: MC4-EVO3 Compatible

**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 | 1500V DC (IEC)
- Max Series Fuse Rating | 15A

**WARRANTY**

- 10 year Product Workmanship Warranty
- 30 year Linear Power Warranty

*(Please refer to product warranty for details)*

**PACKAGING CONFIGURATION**

- Modules per box: 30 pieces
- Modules per 40" container: 780 pieces

*The mechanical loading is dependent upon the mounting method used and only approved clamps should be used. For best results, install with the Trina clamp for duo max modules*

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**CERTIFICATION**

- CE
- UL
- ISO
- PV CYCLE

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

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