THE Residential Module
MULTI-BUSBAR MONO PERC MODULE

132-Cell
MONOCRystALLine MODULE

355-380W
POWER OUTPUT RANGE

20.6%
MAXIMUM EFFICIENCY

0~+5W
POSITIVE POWER TOLERANCE

High power and High Efficiency
• Up to 380W front power and 20.6% module efficiency with half-cut and MBB (Multi Busbar) technology bringing more BOS savings
• Reduce BOS cost with higher power bin and 1500V system voltage

Outstanding visual appearance
• Designed with aesthetics in mind
• Excellent cell color control
• Thinner wires that appear all black at a distance

High reliability
• Ensured PID resistance through cell process and module material control
• Resistant to salt, acid and ammonia
• Mechanical performance: Up to 5400 Pa positive load and 2400 Pa negative load

Certified to withstand the most challenging environmental conditions
• Excellent IAM and low light performance validated
• Lower temp co-efficient (-0.34%) and NOCT bring more energy leading to lower LCOE
• Better anti-shading performance and lower operating temperature

PERFORMANCE WARRANTY

From the 2nd year to the 25th year, the average annual power decline will be no more than 0.55%.

Founded in 1997, Trina Solar is the world’s leading total solution provider for solar energy. With local presence around the globe, Trina Solar is able to provide exceptional service to each customer in each market and deliver our innovative, reliable products with the backing of Trina as a strong, bankable brand. Trina Solar now distributes its PV products to over 100 countries all over the world. We are committed to building strategic, mutually beneficial collaborations with installers, developers, distributors and other partners in driving smart energy together.

Comprehensive Products and System Certificates
UL 61730
IEC 61215 / IEC 61730 / 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

Trinasonic
**Dimensions of PV Module (mm)**

**I-V Curves of PV Module (370W)**

**P-V Curves of PV Module (370W)**

**Electrical Data (STC)**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>355</th>
<th>360</th>
<th>365</th>
<th>370</th>
<th>375</th>
<th>380</th>
</tr>
</thead>
<tbody>
<tr>
<td>Peak Power Watts - P_{max} (Wp)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Power Output Tolerance - P_{max} (W)</td>
<td>-8.5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maximum Power Voltage - V_{mp} (V)</td>
<td>36.8</td>
<td>37.0</td>
<td>37.2</td>
<td>37.4</td>
<td>37.6</td>
<td>37.8</td>
</tr>
<tr>
<td>Maximum Power Current - I_{mp} (A)</td>
<td>9.66</td>
<td>9.74</td>
<td>9.82</td>
<td>9.90</td>
<td>9.98</td>
<td>10.07</td>
</tr>
<tr>
<td>Open Circuit Voltage - V_{oc} (V)</td>
<td>46.6</td>
<td>46.8</td>
<td>45.0</td>
<td>45.2</td>
<td>45.3</td>
<td>45.5</td>
</tr>
<tr>
<td>Short Circuit Current - I_{sc} (A)</td>
<td>10.24</td>
<td>10.30</td>
<td>10.35</td>
<td>10.40</td>
<td>10.45</td>
<td>10.51</td>
</tr>
<tr>
<td>Module Efficiency ( \eta_m ) (%)</td>
<td>19.2</td>
<td>19.5</td>
<td>19.8</td>
<td>20.1</td>
<td>20.3</td>
<td>20.6</td>
</tr>
</tbody>
</table>

STC: Irradiance 1000W/m², Cell Temperature 25°C, Air Mass AM1.5.
*Measurement tolerance ±3%.

**Electrical Data (NOCT)**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>268</th>
<th>272</th>
<th>276</th>
<th>279</th>
<th>283</th>
<th>287</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum Power - P_{max} (Wp)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maximum Power Voltage - V_{mp} (V)</td>
<td>34.4</td>
<td>34.7</td>
<td>34.9</td>
<td>35.1</td>
<td>35.3</td>
<td>35.6</td>
</tr>
<tr>
<td>Maximum Power Current - I_{mp} (A)</td>
<td>7.90</td>
<td>7.85</td>
<td>7.90</td>
<td>7.96</td>
<td>8.01</td>
<td>8.06</td>
</tr>
<tr>
<td>Open Circuit Voltage - V_{oc} (V)</td>
<td>42.0</td>
<td>42.2</td>
<td>42.4</td>
<td>42.6</td>
<td>42.6</td>
<td>42.8</td>
</tr>
<tr>
<td>Short Circuit Current - I_{sc} (A)</td>
<td>8.25</td>
<td>8.30</td>
<td>8.34</td>
<td>8.38</td>
<td>8.42</td>
<td>8.47</td>
</tr>
</tbody>
</table>

NOCT: Irradiance at 800W/m², Ambient Temperature 20°C, Wind Speed 3m/s.

**Mechanical Data**

- **Solar Cells**: Monocrystalline
- **Cell Orientation**: 132 cells
- **Module Dimensions**: 1852 × 996 × 35 mm (72.91 × 39.21 × 1.38 inches)
- **Weight**: 19.7 kg (43.4 lb)
- **Glass**: 3.2 mm (0.13 inches), High Transmission, AR Coated Heat Strengthened Glass
- **Encapsulant Material**: EVA / POE
- **Backsheet**: Black-White
- **Frame**: 35 mm (inches) Anodized Aluminium Alloy
- **J-Box**: IP 68 rated
- **Cables**: Photovoltaic Technology Cable 4.0mm² (0.006 inches²), Portrait: N 280mm/P 280mm(11.02/11.02 inches) Landscape: N 1400 mm/P 1400 mm (55.12/55.12 inches)
- **Connector**: MC4 EVO2
- **Fire Type**: Type 1

**Temperature Ratings**

- **NOCT (Nominal Operating Cell Temperature)**: 43°C (±2°C)
- **Temperature Coefficient of P_{max}**: -0.34%/°C
- **Temperature Coefficient of V_{oc}**: -0.25%/°C
- **Temperature Coefficient of I_{sc}**: 0.04%/°C

**Maximum Ratings**

- **Operational Temperature**: -40°C to +85°C
- **Maximum System Voltage**: 1500V DC (UL)
- **Max Series Scroll Rating**: 20A

**Warranty**

- 25 year Product Workmanship Warranty
- 25 year Linear Power Warranty

(For details, please refer to the product warranty.)

**Packaging Configuration**

- Modules per box: 31 pieces
- Modules per 40' container: 744 pieces
- Pallet dimensions (L x W x H): 1880 x 1125 x 1173 mm
- Pallet weight: 658.6 kg (1452 lb)

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