THE FRAMED 120 LAYOUT MODULE

120 LAYOUT MONOCRYSTALLINE MODULE

320-345W POWER OUTPUT RANGE

20.5% MAXIMUM EFFICIENCY

0~+5W POSITIVE POWER TOLERANCE

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 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

IEC61215/IEC61730/UL1703/IEC61701/IEC62716
ISO 9001: Quality Management System
ISO 14001: Environmental Management System
ISO14064: Greenhouse Gases Emissions Verification
ISO45001: Occupation Health and Safety Management System

High power
• Up to 345W front power and 20.5% module efficiency with half-cut technology bringing more BOS savings
• Lower resistance of half-cut ensure high power

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

High energy generation
• Excellent IAM and low light performance validated by 3rd party with cell process and module material optimization
• Lower temp coefficient (-0.36%) and NMOT bring more energy leading to lower LCOE
• Better anti-shading performance and lower operating temperature

PERFORMANCE WARRANTY

12 Year Product Warranty · 25 Year Power Warranty

From the 2nd year to the 25th year, the average annual power decline will be no more than 0.6%.
DIMENSIONS OF PV MODULE (mm)

I-V CURVES OF PV MODULE (330W)

P-V CURVES OF PV MODULE (330W)

ELECTRICAL DATA (STC)

<table>
<thead>
<tr>
<th>Peak Power Watts - P&lt;sub&gt;MAX&lt;/sub&gt; (Wp)*</th>
<th>320</th>
<th>325</th>
<th>330</th>
<th>335</th>
<th>340</th>
<th>345</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power Tolerance - P&lt;sub&gt;MAX&lt;/sub&gt; (W)</td>
<td>0 ~ +5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maximum Power Voltage - V&lt;sub&gt;MP&lt;/sub&gt; (V)</td>
<td>33.7</td>
<td>34.0</td>
<td>34.3</td>
<td>34.6</td>
<td>34.9</td>
<td>35.2</td>
</tr>
<tr>
<td>Maximum Power Current - I&lt;sub&gt;MP&lt;/sub&gt; (A)</td>
<td>9.50</td>
<td>9.56</td>
<td>9.63</td>
<td>9.69</td>
<td>9.75</td>
<td>9.81</td>
</tr>
<tr>
<td>Open Circuit Voltage - V&lt;sub&gt;OC&lt;/sub&gt; (V)</td>
<td>41.5</td>
<td>41.9</td>
<td>42.2</td>
<td>42.6</td>
<td>43.0</td>
<td>43.4</td>
</tr>
<tr>
<td>Short Circuit Current - I&lt;sub&gt;SC&lt;/sub&gt; (A)</td>
<td>10.01</td>
<td>10.06</td>
<td>10.14</td>
<td>10.20</td>
<td>10.26</td>
<td>10.32</td>
</tr>
<tr>
<td>Module Efficiency - η (%)</td>
<td>19.0</td>
<td>19.3</td>
<td>19.6</td>
<td>19.9</td>
<td>20.2</td>
<td>20.5</td>
</tr>
</tbody>
</table>

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

ELECTRICAL DATA (NMOT)

<table>
<thead>
<tr>
<th>Maximum Power - P&lt;sub&gt;MAX&lt;/sub&gt; (Wp)</th>
<th>242</th>
<th>246</th>
<th>250</th>
<th>254</th>
<th>258</th>
<th>261</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum Power Voltage - V&lt;sub&gt;MP&lt;/sub&gt; (V)</td>
<td>31.9</td>
<td>32.2</td>
<td>32.5</td>
<td>32.8</td>
<td>33.1</td>
<td>33.4</td>
</tr>
<tr>
<td>Maximum Power Current - I&lt;sub&gt;MP&lt;/sub&gt; (A)</td>
<td>7.59</td>
<td>7.63</td>
<td>7.69</td>
<td>7.74</td>
<td>7.78</td>
<td>7.83</td>
</tr>
<tr>
<td>Open Circuit Voltage - V&lt;sub&gt;OC&lt;/sub&gt; (V)</td>
<td>39.2</td>
<td>39.6</td>
<td>39.9</td>
<td>40.2</td>
<td>40.6</td>
<td>41.0</td>
</tr>
<tr>
<td>Short Circuit Current - I&lt;sub&gt;SC&lt;/sub&gt; (A)</td>
<td>8.06</td>
<td>8.10</td>
<td>8.16</td>
<td>8.21</td>
<td>8.26</td>
<td>8.31</td>
</tr>
</tbody>
</table>

NMOT: Irradiance at 800W/m², Ambient Temperature 20°C, Wind Speed 1m/s.
*Measuring tolerance: ±3%.

MECHANICAL DATA

Solar Cells: Monocrystalline
Cell Orientation: 120 cells (6 × 20)
Module Dimensions: 1690 × 996 × 35 mm (66.54 × 39.21 × 1.38 inches)
Weight: 18.0 kg (39.7 lb)
Glass: 3.2 mm (0.13 inches), High Transmission, AR Coated Heat Strengthened Glass
Encapsulant Material: EVA
Backsheet: White
Frame: 35 mm (1.38 inches) Anodized Aluminium Alloy
J-Box: MC4 EVO2 / TS4*
Cables: Photovoltaic Technology Cable 4.0mm² (0.006 inches²), Portrait: N: 280mm/P: 1200mm (11.02/47.24 inches) Landscape: N: 1200mm/P: 280mm (47.24/11.02 inches)
Connector: M4 EVO2 / TS4*

TEMPERATURE RATINGS

| Temperature Coefficient of P<sub>MAX</sub> | -0.36%/°C |
| Temperature Coefficient of V<sub>OC</sub> | -0.26%/°C |
| Temperature Coefficient of I<sub>SC</sub> | 0.04%/°C |

MAXIMUM RATINGS

- Operational Temperature: -40°C ~ +85°C
- Maximum System Voltage: 1500V DC (IEC)
- Max Series Fuse Rating: 20A

WARRANTY

- 12 year Product Workmanship Warranty
- 25 year Power Warranty

(Please refer to product warranty for details)

PACKAGING CONFIGURATION

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

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