THE

DUOMAX™

HALF-CELL DUAL GLASS 60 LAYOUT MODULE

60 LAYOUT
MONOCRYSTALLINE MODULE

325-340W
POWER OUTPUT RANGE

19.9%
MAXIMUM EFFICIENCY

0~+5W
POSITIVE POWER TOLERANCE

High power output
• Combined with MBB technology, maximum 340W
• Reduce BOS cost with higher power bin and 1500V system voltage

Half-cell design brings higher efficiency
• Half-cell layout (120 monocrystalline)
• Low thermal coefficients for greater energy production at high operating temperature
• Low cell connection power loss due to half-cell layout (120 monocrystalline)

Highly reliable due to stringent quality control
• Over 30 in-house tests (UV, TC, HF etc)
• Internal test requirement of Trina more stringent than certification authority
• PID resistant
• 100% EL double inspection

Certificated to withstand the most challenging environmental conditions:
• 2400 Pa negative load
• 5400 Pa positive load
• 2400/5400 is the measured load, and the safety factor is 1.5 times

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
IEC61215/IEC61730/IEC61701/IEC62716
ISO 9001: Quality Management System
ISO 14001: Environmental Management System
ISO14064: Greenhouse Gases Emissions Verification
OHSAS 18001: Occupation Health and Safety Management System

Trina Solar’s DUOMAX Linear Performance Warranty

<table>
<thead>
<tr>
<th>Years</th>
<th>Guaranteed Power</th>
<th>Trina’s DUOMAX Linear Warranty</th>
<th>Trina standard</th>
<th>Industry standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>90%</td>
<td>+1.5%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>85%</td>
<td>+2.5%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>80%</td>
<td>+3.4%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>75%</td>
<td>+4.3%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>25</td>
<td>70%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>30</td>
<td>65%</td>
<td></td>
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<td></td>
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</tbody>
</table>

Additional value from Trina Solar’s DUOMAX warranty
### Electrical Data (STC)

<table>
<thead>
<tr>
<th>Parameter</th>
<th>STC 325</th>
<th>STC 330</th>
<th>STC 335</th>
<th>STC 340</th>
</tr>
</thead>
<tbody>
<tr>
<td>Peak Power Watts (Wp)</td>
<td>325</td>
<td>330</td>
<td>335</td>
<td>340</td>
</tr>
<tr>
<td>Power Output Tolerance - Pmax (W)</td>
<td>0~+5</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maximum Power Voltage - Vmppv (V)</td>
<td>33.6</td>
<td>33.8</td>
<td>34.0</td>
<td>34.2</td>
</tr>
<tr>
<td>Open Circuit Voltage - Voc (V)</td>
<td>40.4</td>
<td>40.6</td>
<td>40.7</td>
<td>41.1</td>
</tr>
<tr>
<td>Short Circuit Current - Isc (A)</td>
<td>10.30</td>
<td>10.40</td>
<td>10.50</td>
<td>10.60</td>
</tr>
<tr>
<td>Module Efficiency η (%)</td>
<td>19.1</td>
<td>19.4</td>
<td>19.7</td>
<td>19.9</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>Parameter</th>
<th>NMOT 245</th>
<th>NMOT 249</th>
<th>NMOT 253</th>
<th>NMOT 257</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum Power - Pmax (Wp)</td>
<td>245</td>
<td>249</td>
<td>253</td>
<td>257</td>
</tr>
<tr>
<td>Maximum Power Voltage - Vmppv (V)</td>
<td>31.2</td>
<td>31.4</td>
<td>31.5</td>
<td>31.8</td>
</tr>
<tr>
<td>Maximum Power Current - Impv (A)</td>
<td>7.95</td>
<td>7.93</td>
<td>8.01</td>
<td>8.08</td>
</tr>
<tr>
<td>Open Circuit Voltage - Voc (V)</td>
<td>38.0</td>
<td>38.2</td>
<td>38.3</td>
<td>38.7</td>
</tr>
<tr>
<td>Short Circuit Current - Isc (A)</td>
<td>8.31</td>
<td>8.39</td>
<td>8.47</td>
<td>8.55</td>
</tr>
</tbody>
</table>

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

### Mechanical Data

- **Solar Cells**: Monocrystalline
- **Cell Orientation**: 120 cells (6 x 20)
- **Module Dimensions**: 1698 x 1004 x 6 mm (66.85 x 39.53 x 0.24 inches)
  - 1702 x 1008 x 6 mm with edgebanding (67.01 x 39.69 x 0.24 inches)
  - 1704 x 1010 x 7.6 mm with corner (67.09 x 39.76 x 0.30 inches)
- **Weight**: 24.6 kg (54.2 lb)
- **Front Glass**: 2.5 mm (0.10 inches), High Transmittance, AR Coated Heat Strengthened Glass
- **Encapsulant Material**: EVA
- **Back Glass**: 2.5 mm (0.10 inches), Heat Strengthened Glass
- **Frame**: Frameless
- **J-Box**: IP68 rated
- **Cables**: Photovoltaic Technology Cable 4.0 mm² (0.06 inches²), Portrait: N 140mm/P 285mm (5.51/11.22 inches)
  - Landscape: N 1200 mm /P 1200 mm (47.24/47.24 inches)
- **Connector**: TS4/MC4 EVO2

### Temperature Ratings

- **NMOT (Nominal Module Operating Temperature)**: 41°C (±3°C)
- **Temperature Coefficient of Pmax**: -0.37%°C
- **Temperature Coefficient of Voc**: -0.29%°C
- **Temperature Coefficient of Isc**: 0.05%°C

*(Do not connect Fuse in Combiner Box with two or more strings in parallel connection)*

### Warranty

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

*(Please refer to product warranty for details)*

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