THE DUOMAX twin
HALF-CELL DUAL GLASS 60 LAYOUT MODULE

60 LAYOUT MONOCRYSTALLINE MODULE

315-340W POWER OUTPUT RANGE

19.9% MAXIMUM EFFICIENCY

0~+5W POSITIVE POWER TOLERANCE

High power mono perc
• 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
• 100% EL double inspection

Certified to withstand the most challenging load conditions
• 2400 Pa negative load
• 2400 Pa positive load
* 2400/2400 is the measured load, and the safety factor is 1.5 times

Founded in 1997, Trina Solar is the world’s leading total solutions 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
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 Performance Warranty

From the 2nd year to the 30th year, the average annual power decline will be no more than 0.5%.
### ELECTRICAL DATA (STC)

<table>
<thead>
<tr>
<th>Peak Power Watts-PMAX (Wp)*</th>
<th>315</th>
<th>320</th>
<th>325</th>
<th>330</th>
<th>335</th>
<th>340</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power Output Tolerance-PMAX (W)</td>
<td>0~+5</td>
<td>0~+5</td>
<td>0~+5</td>
<td>0~+5</td>
<td>0~+5</td>
<td>0~+5</td>
</tr>
<tr>
<td>Maximum Power Voltage-VMPP (V)</td>
<td>32.9</td>
<td>33.2</td>
<td>33.5</td>
<td>33.8</td>
<td>34.1</td>
<td>34.4</td>
</tr>
<tr>
<td>Open Circuit Voltage-VOC (V)</td>
<td>40.0</td>
<td>40.2</td>
<td>40.4</td>
<td>40.6</td>
<td>40.8</td>
<td>41.0</td>
</tr>
<tr>
<td>Short Circuit Current-ISClc (A)</td>
<td>10.15</td>
<td>10.20</td>
<td>10.25</td>
<td>10.30</td>
<td>10.35</td>
<td>10.40</td>
</tr>
<tr>
<td>Module Efficiency (%)</td>
<td>18.5</td>
<td>18.8</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%.

### BI-FACIAL OUTPUT - Backside Power Gain

<table>
<thead>
<tr>
<th>Power Output(W)</th>
<th>10%</th>
<th>15%</th>
<th>25%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Module Efficiency(%)</td>
<td>347</td>
<td>362</td>
<td>394</td>
</tr>
<tr>
<td>Power Output(W)</td>
<td>20.3</td>
<td>21.2</td>
<td>23.1</td>
</tr>
<tr>
<td>Module Efficiency(%)</td>
<td>352</td>
<td>368</td>
<td>400</td>
</tr>
<tr>
<td>Power Output(W)</td>
<td>20.6</td>
<td>21.6</td>
<td>23.5</td>
</tr>
<tr>
<td>Module Efficiency(%)</td>
<td>358</td>
<td>21.9</td>
<td>23.8</td>
</tr>
<tr>
<td>Power Output(W)</td>
<td>21.0</td>
<td>21.9</td>
<td>24.2</td>
</tr>
<tr>
<td>Module Efficiency(%)</td>
<td>363</td>
<td>22.3</td>
<td>24.6</td>
</tr>
<tr>
<td>Power Output(W)</td>
<td>21.3</td>
<td>22.3</td>
<td>24.6</td>
</tr>
<tr>
<td>Module Efficiency(%)</td>
<td>369</td>
<td>22.6</td>
<td>24.9</td>
</tr>
<tr>
<td>Power Output(W)</td>
<td>21.6</td>
<td>22.6</td>
<td>24.9</td>
</tr>
<tr>
<td>Module Efficiency(%)</td>
<td>374</td>
<td>22.9</td>
<td>24.9</td>
</tr>
</tbody>
</table>

### ELECTRICAL DATA (NMOT)

| Maximum Power-PMax (Wp) | 238 | 241 | 245 | 249 | 253 | 256 |
| Maximum Power Voltage-VMPP (V) | 31.1 | 31.4 | 31.6 | 31.9 | 32.2 | 32.5 |
| Maximum Power Current-Imp (A) | 7.64 | 7.69 | 7.75 | 7.80 | 7.84 | 7.89 |
| Open Circuit Voltage-Voc (V) | 38.1 | 38.3 | 38.5 | 38.7 | 38.9 | 39.1 |
| Short Circuit Current-Isc (A) | 8.18 | 8.23 | 8.27 | 8.31 | 8.35 | 8.39 |

### MECHANICAL DATA

- **Solar Cells**: Monocrystalline
- **Cell Orientation**: 120 cells (6 × 20)
- **Module Dimensions**: 1698 × 1004 × 6 mm (66.85 × 39.53 × 0.24 inches), 1702 × 1008 × 6 mm with edgebanding (67.01 × 39.69 × 0.24 inches), 1704 × 1010 × 7.6 mm with corner (67.09 × 39.76 × 0.30 inches).
- **Weight**: 24.6 kg (54.2 lb)
- **Front Glass**: 2.5 mm (0.10 inches), High Transmission, AR Coated Heat Strengthened Glass
- **Encapsulant Material**: POE / EVA
- **Back Glass**: 2.5 mm (0.10 inches), Heat Strengthened (White Grid Glass)
- **Frame**: Frameless
- **J-Box**: IP 68 rated
- **Cables**: Photovoltaic Technology Cable 4.0mm² (0.006 inches²), Portrait: 280/280 mm (11.02/11.02 inches), Landscape: 1700/1700 mm (66.93/66.93 inches)
- **Connector**: MC4 EVO2 / TS4

### TEMPERATURE RATINGS

- **NMO (Nominal Module Operating Temperature)**: 41°C (±3°C)
- **Temperature Coefficient of Pmax**: -0.35%/°C
- **Temperature Coefficient of Voc**: -0.25%/°C
- **Temperature Coefficient of Isc**: 0.04%/°C

### WARRANTY

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

### PACKAGING CONFIGURATION

- Modules per box: 33 pieces
- Modules per 40’ container: 792 pieces

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*DO NOT connect Fuse in Combiner Box with two or more strings in parallel connection*  
* 20A Default / 25A upon special request

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

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