THE DUOMAX twin
BIFACIAL DUAL GLASS 72 LAYOUT MODULE

72 LAYOUT MONOCRYSTALLINE MODULE

375-405W POWER OUTPUT RANGE

19.9% MAXIMUM EFFICIENCY

0~+5W POSITIVE POWER TOLERANCE

High power output
- Increased total power output through generation from front and back side
- Backside power gain up to 25% depending on albedo

Low LCOE
- Maximize limited space, savings in BOS and labour cost
- Higher power from same installation footprint as standard modules

Wide application
- Deployable for ground mounted utility, greenhouse and agricultural projects
- Special application like sound barriers on expressways
- Compatible with major tracker systems

Certified to withstand the most challenging environmental conditions
- Resistant to sand, acid, alkaline
- 2400 Pa negative load
- 2400 Pa positive load
* 2400/2400 is the measured load, and the safety factor is 1.5 times

Trina Solar’s DUOMAX Linear Performance Warranty

Comprehensive Products and System Certificates
- IEC61215/IEC61730/IEC61701/IEC62716
- ISO 9001: Quality Management System
- ISO 14001: Environmental Management System
- ISO 14064: Greenhouse Gases Emissions Verification
- OHSAS 18001: Occupation Health and Safety Management System
- UL, TUV, CE, IEC, MH, C-Tick, C-Tick, ETL, VDE, SAA, certificate

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.

Trina’s DUOMAX Linear Warranty

5.5% Annual Degradation
Over 30 years
ELECTRICAL DATA (STC)

<table>
<thead>
<tr>
<th>Peak Power Watts-PMAX (Wp)*</th>
<th>375</th>
<th>380</th>
<th>385</th>
<th>390</th>
<th>395</th>
<th>400</th>
<th>405</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power Output Tolerance-PMAX (W)</td>
<td>0</td>
<td>5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maximum Power Voltage-VMPP (V)</td>
<td>40.2</td>
<td>40.3</td>
<td>40.4</td>
<td>40.5</td>
<td>40.6</td>
<td>40.7</td>
<td>40.8</td>
</tr>
<tr>
<td>Open Circuit Voltage-VOC (V)</td>
<td>49.1</td>
<td>49.2</td>
<td>49.4</td>
<td>49.6</td>
<td>49.7</td>
<td>49.9</td>
<td>50.1</td>
</tr>
<tr>
<td>Short Circuit Current-ISc (A)</td>
<td>9.89</td>
<td>9.99</td>
<td>10.09</td>
<td>10.19</td>
<td>10.29</td>
<td>10.39</td>
<td>10.49</td>
</tr>
<tr>
<td>Module Efficiency η (%)</td>
<td>18.5</td>
<td>18.7</td>
<td>18.9</td>
<td>19.2</td>
<td>19.4</td>
<td>19.7</td>
<td>19.9</td>
</tr>
</tbody>
</table>

*Measurement tolerance: ±3%.

**STC: Irradiance 1000W/m², Cell Temperature 25°C, Air Mass AM1.5.

Bi-Facial Output - Backside Power Gain

<table>
<thead>
<tr>
<th>Power Output(W)</th>
<th>Module Efficiency(%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10%</td>
<td>20.3 20.6 20.8 21.1 21.4 21.7 21.9</td>
</tr>
<tr>
<td>15%</td>
<td>21.2 21.5 21.8 22.1 22.4 22.6 22.9</td>
</tr>
<tr>
<td>25%</td>
<td>23.1 23.4 23.7 24.0 24.3 24.6 24.9</td>
</tr>
</tbody>
</table>

MECHANICAL DATA

- Solar Cells: Monocrystalline
- Cell Orientation: 144 cells (6 x 24)
- Module Dimensions: 2024 x 1004 x 6 mm (79.69 x 39.53 x 0.24 inches)
- Weight: 29.2 kg (64.4 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: 1900/1900 mm (74.80/74.80 inches)
- Connector: MC4 EVO2/TS4

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)

PACKAGING CONFIGURATION

- Modules per box: 33 pieces
- Modules per 40' container: 726 pieces

CAUTION: READ SAFETY AND INSTALLATION INSTRUCTIONS BEFORE USING THE PRODUCT.
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Version number: TSM_EN_2019_A
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