The DUOMAX® twin
HALF-CELL DUAL GLASS 120 LAYOUT MODULE

120 LAYOUT
MONOCRYSTALLINE MODULE

350-375W
POWER OUTPUT RANGE

20.2%
MAXIMUM EFFICIENCY

0~+5W
POSITIVE POWER TOLERANCE

High power
- Up to 375W front power and 20.2% module efficiency with half-cut and MBB (Multi Busbar) technology bringing more BOS savings
- Lower resistance of half-cut and good reflection effect of MBB ensure high power

High reliability
- Ensured PID resistance through cell process and module material control
- Resistant to salt, acid and ammonia
- Proven to be reliable in high temperature and humidity areas
- Certificated to fire class A
- Minimizes micro-crack and snail trails
- Mechanical performance: Up to 5400 Pa positive load and 2400 Pa negative load

High energy generation
- Up to 25% additional power gain from back side depending on the albedo
- Excellent IAM and low light performance validated by 3rd party with cell process and module material optimization
- Lower temp coefficient (-0.35%) and NMOT bring more energy leading to lower LCOE
- Better anti-shading performance and lower operating temperature

Easy to install
- Frame design makes module compatible with all racking and installation methods
- Easy to handle and install as normal framed module during transportation

Trina Solar’s DUOMAX Performance Warranty

- Guaranteed Power
- Years

EU-28 WEEE
RECYCLABLE
PACKAGING
**Electrical Data (STC)**

<table>
<thead>
<tr>
<th>Peak Power Watts-P_{Max} (Wp)*</th>
<th>350</th>
<th>355</th>
<th>360</th>
<th>365</th>
<th>370</th>
<th>375</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power Tolerance-P_{Max} (W)</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Maximum Power Voltage-V_{mp} (V)</td>
<td>33.4</td>
<td>33.7</td>
<td>34.0</td>
<td>34.3</td>
<td>34.5</td>
<td>34.8</td>
</tr>
<tr>
<td>Maximum Power Current-I_{sc} (A)</td>
<td>10.48</td>
<td>10.53</td>
<td>10.59</td>
<td>10.66</td>
<td>10.72</td>
<td>10.78</td>
</tr>
<tr>
<td>Open Circuit Voltage-V_{oc} (V)</td>
<td>40.1</td>
<td>40.4</td>
<td>40.8</td>
<td>41.1</td>
<td>41.4</td>
<td>41.8</td>
</tr>
<tr>
<td>Short Circuit Current-I_{sc} (A)</td>
<td>11.00</td>
<td>11.06</td>
<td>11.12</td>
<td>11.19</td>
<td>11.26</td>
<td>11.32</td>
</tr>
<tr>
<td>Module Efficiency ( \eta ) (%)</td>
<td>18.9</td>
<td>19.1</td>
<td>19.4</td>
<td>19.7</td>
<td>20.0</td>
<td>20.2</td>
</tr>
</tbody>
</table>

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

**Electrical characteristics with different rear side power gain (reference to 360 Wp front)**

| Maximum Power-P_{Max} (Wp) | 378 | 396 | 414 | 432 | 450 |
| Maximum Power Voltage-V_{mp} (V) | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 |
| Maximum Power Current-I_{sc} (A) | 11.12 | 11.65 | 12.18 | 12.71 | 13.24 |
| Open Circuit Voltage-V_{oc} (V) | 40.9 | 41.0 | 41.1 | 41.2 | 41.3 |
| Short Circuit Current-I_{sc} (A) | 11.68 | 12.23 | 12.79 | 13.34 | 13.90 |
| PMax gain | 5% | 10% | 15% | 20% | 25% |

**Power Bifaciality**

| PMax gain | 70±5% |

**Electrical Data (NMOT)**

| Maximum Power-P_{Max} (Wp) | 265 | 268 | 272 | 277 | 280 | 284 |
| Maximum Power Voltage-V_{mp} (V) | 31.6 | 31.8 | 32.1 | 32.4 | 32.6 | 32.9 |
| Maximum Power Current-I_{sc} (A) | 8.39 | 8.43 | 8.49 | 8.54 | 8.59 | 8.64 |
| Open Circuit Voltage-V_{oc} (V) | 37.9 | 38.2 | 38.6 | 38.8 | 39.1 | 39.5 |
| Short Circuit Current-I_{sc} (A) | 8.86 | 8.91 | 8.95 | 9.01 | 9.07 | 9.11 |

**Mechanical Data**

- **Solar Cells:** Monocrystalline
- **Cell Orientation:** 120 cells (6 x 20)
- **Module Dimensions:** 1773 x 1046 x 30 mm (69.80 x 41.18 x 1.18 inches)
- **Weight:** 25.0 kg (55.1 lb)
- **Front Glass:** 2.0mm (0.08 inches), High Transmission, AR Coated Heat Strengthened Glass
- **Back Glass:** 2.0mm (0.08 inches), Heat Strengthened Glass (white Grid Glass)
- **Frame:** 30 mm (1.18 inches) Anodized Aluminium Alloy
- **Encapsulant Material:** POE/EVA
- **Back Glass:** 2.0mm (0.08 inches), Heat Strengthened Glass (white Grid Glass)
- **Frame:** 30 mm (1.18 inches) Anodized Aluminium Alloy
- **Connector:** MC4 EVO2 / TS4*
- **Cables:** Photovoltaic Technology Cable 4.0mm² (0.006 inches²), Portrait: N 280mm/P 280mm (11.02/11.02 inches)
- **Landscape:** N 1700 mm / P 1700 mm (66.93/66.93 inches)

*Please refer to regional datasheet for specified connector.

**Temperature Ratings**

- **NMO (Nominal Module Operating Temperature):** 41°C (±3°C)
- **Temperature Coefficient of P_{Max}:** -0.35%/°C
- **Temperature Coefficient of V_{oc}:** -0.25%/°C
- **Temperature Coefficient of I_{sc}:** 0.04%/°C

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

**Warranty**

- 12 year Product Workmanship Warranty
- 30 year Power Warranty
- 2% first year degradation
- 0.45% Annual Power Attenuation

*Please refer to product warranty for details*