THE
DUOMAX
DUAL GLASS 60-CELL MODULE

60 CELL
MULTICRYSTALLINE MODULE

270-285W
POWER OUTPUT RANGE

17.3%
MAXIMUM EFFICIENCY

0~+5W
POSITIVE POWER TOLERANCE

Highly reliable due to stringent quality control
- PID resistant and free of snail trails
- Increased module robustness to minimize micro-cracks
- 100% EL double inspection

Enhanced safety
- Fire class A certified by TUV Rheinland according to fire test IEC 61730-2/MST 23
- Certified for fire type13 (UL 1703)

Increased value
- Higher maximum system voltage reduces BOS costs
- 30 year linear warranty
- 0.5% annual degradation
- Low thermal coefficients for more energy production at higher temperatures

Certified to withstand the most challenging environmental conditions
- Module coating resistant to sand, acid, and alkali
- 2400 Pa wind load
- 5400 Pa snow load
- 35 mm hail stones at 97 km/h

Trina standard
Trina’s DUOMAX Linear Warranty
Additional value from Trina Solar’s DUOMAX warranty
- 0.5% annual degradation
- Over 30 years

Founded in 1997, Trina Solar is the world’s leading comprehensive solutions provider for solar energy. We believe close cooperation with our partners is critical to success. Trina Solar now distributes its PV products to over 60 countries all over the world. Trina is able to provide exceptional service to each customer in each market and supplement our innovative, reliable products with the backing of Trina as a strong, bankable partner. We are committed to building strategic, mutually beneficial collaboration with installers, developers, distributors and other partners.

Trina Solar’s DUOMAX Linear Performance Warranty

80%
90%
97.5%
100%

Trina Solar’s DUOMAX Linear Warranty

Guaranteed Output

Years
5
10
15
20
25
30

Additional value from Trina Solar’s DUOMAX Warranty

- 0.5% annual degradation
- Over 30 years

Trina standard
Standard Step
DUAL GLASS 60-CELL MODULE

ELECTRICAL DATA (STC)

<table>
<thead>
<tr>
<th>Peak Power Watts-PMAX (Wp)*</th>
<th>270</th>
<th>275</th>
<th>280</th>
<th>285</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power Output Tolerance-PMAX (W)</td>
<td>0 - +5</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maximum Power Voltage-VMP (V)</td>
<td>31.1</td>
<td>31.3</td>
<td>31.6</td>
<td>32.0</td>
</tr>
<tr>
<td>Maximum Power Current-IMPP (A)</td>
<td>8.69</td>
<td>8.78</td>
<td>8.87</td>
<td>8.91</td>
</tr>
<tr>
<td>Open Circuit Voltage-VOC (V)</td>
<td>38.0</td>
<td>38.2</td>
<td>38.4</td>
<td>38.6</td>
</tr>
<tr>
<td>Short Circuit Current-ISC (A)</td>
<td>9.28</td>
<td>9.31</td>
<td>9.32</td>
<td>9.36</td>
</tr>
<tr>
<td>Module Efficiency ηp (%)</td>
<td>16.4</td>
<td>16.7</td>
<td>17.0</td>
<td>17.3</td>
</tr>
</tbody>
</table>

ELECTRICAL DATA (NOCT)

| Maximum Power-PMAX (Wp) | 200 | 204 | 208 | 211 |
| Maximum Power Voltage-VMP (V) | 28.8 | 29.0 | 29.2 | 29.6 |
| Maximum Power Current-IMPP (A) | 6.97 | 7.04 | 7.11 | 7.14 |
| Open Circuit Voltage-VOC (V) | 35.2 | 35.4 | 35.6 | 35.8 |
| Short Circuit Current-ISC (A) | 7.49 | 7.52 | 7.52 | 7.56 |

MECHANICAL DATA

| Solar Cells | Multicrystalline 156.75 × 156.75 mm (6 inches) |
| Cell Orientation | 60 cells (6 × 10) |
| Module Dimensions | 1658 × 992 × 6 mm (65.3 × 39.1 × 0.236 inches) |
| | 1662 × 996 × 6 mm with edge banding (65.4 × 39.2 × 0.236 inches) |
| | 1664 × 998 × 7.6 mm with corner protector (65.5 × 39.3 × 0.299 inches)* |
| Weight | 23.5 kg (51.8 lb) |
| Front Glass | 2.5 mm (0.10 inches), High Transmission, AR Coated Heat Strengthened Glass |
| EVA | White (PEG5, PEG5.40); Transparent (PEG5.07, PEG5.47) |
| Back Glass | 2.5 mm (0.10 inches), Heat Strengthened Glass |
| Frame | Frameless |
| J-Box | IP 67 or IP 68 rated |
| Cables | Photovoltaic Technology Cable 4.0 mm² (0.006 inches²) |
| | Portrait: 140/285 mm (5.5/11.2 inches) |
| | Landscape: 1200/1200 mm (47.2/47.2 inches) |
| Connector | Trina TS4 (1500V) |
| Fire Type | Type 13 |

TEMPERATURE RATINGS

- NOCT (Nominal Operating Cell Temperature) | 44°C (+2°C) |
- Temperature Coefficient of PMAX | -0.41%/°C |
- Temperature Coefficient of VMP | -0.32%/°C |
- Temperature Coefficient of ISC | 0.05%/°C |

MAXIMUM RATINGS

- Operational Temperature | -40°C to +85°C |
- Maximum System Voltage | 1500V DC (IEC) |
- | 1000V DC (UL) |
- Max Series Fuse Rating | 15A (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: 858 pieces

MORE OPTIONS

- 2.0mm Glass: 19.7 kg (43.4 lb) (Only for PEG5.40/PEG5.47) |
- Compact AR Coating |
- POE (Polyolefin Elastomer) Adhesive |

*Not applicable to slide-in racking solution

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