THE Residential Module
MULTI-BUSBAR 120 HALF-CELL BOB MODULE

120-Cell
MONOCRYSTALLINE MODULE

310-335W
POWER OUTPUT RANGE

19.9%
MAXIMUM EFFICIENCY

0~+5W
POSITIVE POWER TOLERANCE

High power output
• Reduce BOS cost with high power bin and module efficiency
• New cell string layout and split J-box location reduces the energy loss caused by inter-row shading
• Lower resistance of half-cut cells and increased MBB (Multi Busbar) reflectance ensure higher power

High energy generation, low LCOE
• Excellent 3rd party validated IAM and low light performance with cell process and module material optimization
• Low Pmax temp coefficient (-0.36%) increases energy production
• Better anti-shading performance and lower operating temperature

Outstanding visual appearance, easy to install
• Designed for superior rooftop aesthetics
• Thinner wires give a eye catching all black look
• Safe and easy to transport, handle, and install

Certified to perform in highly challenging environments
• High PID resistance through cell process and module material control
• Resistant to salt, acid, sand, and ammonia
• Over 30 in-house tests (UV, TC, HF etc)
• Certified to 5400 Pa positive load and 2400 Pa negative load

Performance Warranty
25 Year Product Warranty · 25 Year Power Warranty

Trina Standard

From the 2nd year to the 25th year, the average annual power decline will be no more than 0.6%.
Residential Module

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DIMENSIONS OF PV MODULE (mm)

ELECTRICAL DATA (STC)

<table>
<thead>
<tr>
<th>Peak Power Watts - ( P_{MAX} ) (Wp)</th>
<th>310</th>
<th>315</th>
<th>320</th>
<th>325</th>
<th>330</th>
<th>335</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power Output Tolerance - ( P_{MAX} ) (W)</td>
<td>0 \pm 5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maximum Power Voltage - ( V_{MPV} ) (V)</td>
<td>33.0</td>
<td>33.2</td>
<td>33.4</td>
<td>33.6</td>
<td>33.8</td>
<td>34.0</td>
</tr>
<tr>
<td>Open Circuit Voltage - ( V_{OC} ) (V)</td>
<td>39.9</td>
<td>40.1</td>
<td>40.3</td>
<td>40.4</td>
<td>40.6</td>
<td>40.7</td>
</tr>
<tr>
<td>Short Circuit Current - ( I_{SC} ) (A)</td>
<td>10.03</td>
<td>10.12</td>
<td>10.20</td>
<td>10.30</td>
<td>10.40</td>
<td>10.50</td>
</tr>
<tr>
<td>Module Efficiency ( \eta ) (%)</td>
<td>18.4</td>
<td>18.7</td>
<td>19.0</td>
<td>19.3</td>
<td>19.6</td>
<td>19.9</td>
</tr>
</tbody>
</table>

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

MECHANICAL DATA

Solar Cells: Monocrystalline
Cell Orientation: 120 cells (6 × 20)
Module Dimensions: 1690 × 996 × 35 mm (66.54 × 39.21 × 1.38 inches)
Weight: 18.0kg (39.7lb)
Glass: 3.2mm (0.13 inches), High Transmission, AR Coated Tempered Glass
Encapsulant Material: EVA
Backsheet: Black
Frame: 35 mm (1.38 inches) Anodized Aluminum Alloy
J-Box: IP 68 rated
Cables: Photovoltaic Technology Cable 4.0mm² (0.06 inches²)
Connector: MC4
Fire Type: Type 2

TEMPERATURE RATINGS

<table>
<thead>
<tr>
<th>NMOT (Nominal Module Operating Temperature)</th>
<th>41°C (±3°C)</th>
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</thead>
<tbody>
<tr>
<td>Temperature Coefficient of ( P_{MAX} )</td>
<td>-0.36%/°C</td>
</tr>
<tr>
<td>Temperature Coefficient of ( V_{OC} )</td>
<td>-0.26%/°C</td>
</tr>
<tr>
<td>Temperature Coefficient of ( I_{SC} )</td>
<td>0.04%/°C</td>
</tr>
</tbody>
</table>

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

WARRANTY

25 year Product Workmanship Warranty
25 year Power Warranty

(Please refer to product warranty for details)

PACKAGING CONFIGURATION

Modules per pallet: 31 pieces
Modules per 40' container: 806 pieces
Pallet dimensions (L x W x H): 1735 x 1140 x 1148 mm
Pallet weight: 603.5kg (1,331lb)

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