Vertex Platform-Vertex Family

FUTURE IS FROM NOW ON

Vertex
- Up to 500W
- Up to 550W
- Up to 600W
- Up to 660W

Vertex S
- Up to 405W

Electrical data (STC)

<table>
<thead>
<tr>
<th>Vertex 405W Bifacial</th>
<th>380</th>
<th>385</th>
<th>390</th>
<th>395</th>
<th>400</th>
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<tbody>
<tr>
<td>Voc (V)</td>
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<td>40.6</td>
<td>40.8</td>
<td>41.0</td>
<td>41.2</td>
<td>41.4</td>
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<td>Isc (A)</td>
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<td>12.07</td>
<td>12.14</td>
<td>12.21</td>
<td>12.28</td>
<td>12.34</td>
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<tr>
<td>Vmp (V)</td>
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<td>33.6</td>
<td>33.8</td>
<td>34.0</td>
<td>34.2</td>
<td>34.4</td>
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<tr>
<td>Imp (A)</td>
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<td>11.46</td>
<td>11.54</td>
<td>11.62</td>
<td>11.70</td>
<td>11.77</td>
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</tbody>
</table>

Module dimension: 1754x1096x30mm

400W+ Ultra-high Power
Small in size, Big on power
Trina Solar Vertex S series modules, with a module conversion efficiency over 21%, generate over 400Wp power output. Incorporating 210mm cells, the new Vertex S series modules are designed for residential, commercial and industrial projects and come in three versions – white laminate, silver/black frame ones and full-black aesthetic modules.
Vertex S is Trina Solar’s latest PV module product for fast-growing non-utility customers which carries cutting-edge Vertex Platform technology. Based on Trina Solar’s superior multi-busbar technology, the Vertex S modules incorporate an innovative design that integrates 1/3 split cell, non-destructive cutting and high-density interconnect technologies. Due to dedicated design for residential and C&I applications, the new Vertex S series unlocks huge potential for further reducing balance-of-system costs.

**NDC technology brings best cell performance at chip level**

Non-destructive cutting technology is adopted to achieve the best cell bending strength and section appearance, resulting in the best performance for the minimum cell unit.

**MBB technology leads to 0.4%-0.6% increase on module efficiency**

Multi-busbar, with the capability to increase light absorption, perfectly matches the large-area cell. Technology integration enables the Vertex series modules to achieve higher power and power generation capacity per watt.

**High density interconnection technology optimizes module efficiency**

By flattening cell connection areas of welding tape, the cell spacing is reduced to 0.5mm to optimize power output and efficiency, which will leave certain gap to reduce yield risks, micro-cracks and damages to the modules.

**210mm silicon wafer brings the highest power output**

The 400W+ Vertex module employs cells based on 210mm silicon wafers, which is the largest possible wafer size provided by the semiconductor industry and brings the highest power output.
SMALL IN SIZE, BIG ON POWER
EXCELLENT BALANCE ON POWER, SIZE AND WEIGHT!

1.75m module size
Up to 60W power higher!

High flexibility!
1.75m height with 21kg weight!

UNIVERSAL SOLUTION ROOFTOPS
Diverse Installation Solutions. Flexible For System Deployment

Excellent Inverter Optimizer Compatibility

Isc: 12.34A  Voc: 41.1V