Monocrystalline Type

CT295MXX-03
CT300MXX-03

XX denotes frame and backsheet color respectively.
0 = White or Silver, 1 = Black

Features and Benefits

High Quality / High Power

- Up to 300W Black Backsheet
- UL listed (UL 1703)
- Output power tolerance +4.99/-0W
- PID Free

Limited Warranty*

- 10-year product warranty
- 25-year linear power output warranty

*See CertainTeed’s limited warranty for details

Power Output Warranty

See reverse for product specifications
**Electrical Characteristics**

<table>
<thead>
<tr>
<th></th>
<th>295W</th>
<th>300W</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nominal Output (Pmpp)</td>
<td>W</td>
<td>295</td>
</tr>
<tr>
<td>Voltage at Pmax (Vmpp)</td>
<td>V</td>
<td>32.1</td>
</tr>
<tr>
<td>Current at Pmax (Impp)</td>
<td>A</td>
<td>9.2</td>
</tr>
<tr>
<td>Open Circuit Voltage (Voc)</td>
<td>V</td>
<td>39.9</td>
</tr>
<tr>
<td>Short Circuit Current (Isc)</td>
<td>A</td>
<td>9.7</td>
</tr>
<tr>
<td>Output Tolerance</td>
<td>%</td>
<td>+4.99W/ -0</td>
</tr>
<tr>
<td>No. of Cells &amp; Connections</td>
<td></td>
<td>60 in series with 3 bypass diodes</td>
</tr>
<tr>
<td>Cell Type</td>
<td></td>
<td>6” Monocrystalline</td>
</tr>
<tr>
<td>Module Efficiency</td>
<td>%</td>
<td>17.7%</td>
</tr>
<tr>
<td>Temperature Coefficient of Pmpp</td>
<td>%/C</td>
<td>-0.37</td>
</tr>
<tr>
<td>Temperature Coefficient of Voc</td>
<td>%/C</td>
<td>-0.28</td>
</tr>
<tr>
<td>Temperature Coefficient of Isc</td>
<td>%/C</td>
<td>0.05</td>
</tr>
</tbody>
</table>

**Mechanical Characteristics**

- **Laminate**: Glass: 3.2 high transmission, tempered, anti-reflective
- **Encapsulant**: EVA
- **Backsheet**: Weatherproof film (Black or White)
- **Frame**: Anodized aluminum (Black)
- **Junction Box**: IP68, IEC certified, UL listed
- **Output Cables**: 4 mm² (12AWG) PV Wire, Length 1.0m (39.4”)
- **Connectors**: Polarized MC4 compatible Weatherproof, IEC certified, UL listed
- **Weight**: 18.9 kg (41.7 lbs)

**Operating Conditions**

- **Nominal Operating Cell Temperature**: 46° C + 2
- **Operating Temperature**: -40 to 85° C
- **Maximum System Voltage**: 1500v
- **Maximum Series Fuse Rating**: 20A
- **Fire Performance**: Type 1
- **Maximum Wind Load**: 50 lbs/ft²