Features and Benefits

- High Quality / High Power
  - Up to 315W
  - UL listed (UL 1703)
  - Output power tolerance +3/-0%
  - PID Free
- Limited Warranty*
  - 25-year linear power output warranty

*See CertainTeed’s limited warranty for details
**Electrical Characteristics**

<table>
<thead>
<tr>
<th>Nominal Output (Pmpp)</th>
<th>300W</th>
<th>305W</th>
<th>310W</th>
<th>315W</th>
</tr>
</thead>
<tbody>
<tr>
<td>W</td>
<td>300</td>
<td>305</td>
<td>310</td>
<td>315</td>
</tr>
<tr>
<td>Voltage at Pmax (Vmpp)</td>
<td>V</td>
<td>32.5</td>
<td>32.7</td>
<td>32.3</td>
</tr>
<tr>
<td>Current at Pmax (Impp)</td>
<td>A</td>
<td>9.2</td>
<td>9.3</td>
<td>9.4</td>
</tr>
<tr>
<td>Open Circuit Voltage (Voc)</td>
<td>V</td>
<td>40.5</td>
<td>40.8</td>
<td>41.1</td>
</tr>
<tr>
<td>Short Circuit Current (Isc)</td>
<td>A</td>
<td>9.9</td>
<td>10.1</td>
<td>10.2</td>
</tr>
<tr>
<td>Output Tolerance</td>
<td>%</td>
<td>+3/-0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>No. of Cells &amp; Connections</td>
<td>60 in series with 3 bypass diodes</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cell Type</td>
<td>6&quot; Monocrystalline</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Module Efficiency</td>
<td>%</td>
<td>18.4</td>
<td>18.7</td>
<td>19.1</td>
</tr>
<tr>
<td>Temperature Coefficient of Pmpp</td>
<td>%/°C</td>
<td>-0.38</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Temperature Coefficient of Voc</td>
<td>%/°C</td>
<td>-0.28</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Temperature Coefficient of Isc</td>
<td>%/°C</td>
<td>0.04</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Mechanical Characteristics**

- **Laminate**: Glass: 3.2 high transmission, tempered, anti-reflective
- **Encapsulant**: EVA
- **Backsheet**: Weatherproof film (black/white)
- **Frame**: Anodized aluminum (Black)
- **Junction Box**: IP68, IEC certified, UL listed
- **Output Cables**: 4 mm² (12AWG) cables, Length 1.0m (39.4”)
- **Connectors**: Polarized MC4 compatible, Weatherproof, IEC certified, UL listed
- **Weight**: 19.0 kg (41.9 lbs)

**Dimensions**

- **Distance between mounting holes**: 40mm (1.57”)
- **Grounding holes**: Ø8.89mm (0.35”)
- **Mounting Holes x4**: Ø8.89mm (0.35”)
- **Grounding Holes x2**: Ø4mm (0.16”)
- **992mm**: 39.05”
- **1230mm**: 48.43”
- **1640mm**: 64.57”

**Operating Conditions**

- **Nominal Operating Cell Temperature**: 46° C + 2
- **Operating Temperature**: -40 to 85° C
- **Maximum System Voltage**: 1000v
- **Maximum Series Fuse Rating**: 20A
- **Fire Performance**: Type 2
- **Maximum Wind Load**: 30 lbs/ft²