CT SERIES 120 HALF-CELL SOLAR MODULES

**Features and Benefits**

**High Quality / High Power**
- Up to 330W with black backsheet
- UL listed (UL 1703)
- Positive power output tolerance

**Limited Warranty**
- 25-year linear power output warranty

*See CertainTeed’s limited warranty for details

**Half-Cell Monocrystalline Type**
- CT320HC11-04
- CT325HC11-04
- CT330HC11-04

See reverse for product specifications
### Electrical Characteristics

<table>
<thead>
<tr>
<th></th>
<th>320W</th>
<th>325W</th>
<th>330W</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nominal Output (Pmpp)</td>
<td>W</td>
<td>320</td>
<td>325</td>
</tr>
<tr>
<td>Voltage at Pmax (Vmpp)</td>
<td>V</td>
<td>33.0</td>
<td>32.7</td>
</tr>
<tr>
<td>Current at Pmax (Impp)</td>
<td>A</td>
<td>9.7</td>
<td>9.9</td>
</tr>
<tr>
<td>Open Circuit Voltage (Voc)</td>
<td>V</td>
<td>39.9</td>
<td>40.1</td>
</tr>
<tr>
<td>Short Circuit Current (Isc)</td>
<td>A</td>
<td>10.1</td>
<td>10.4</td>
</tr>
<tr>
<td>Output Tolerance</td>
<td>W</td>
<td>-0 / + 5</td>
<td>-0 / + 5</td>
</tr>
<tr>
<td>No. of Cells &amp; Connections</td>
<td></td>
<td>120 half-cells with 3 bypass diodes</td>
<td></td>
</tr>
<tr>
<td>Maximum Series Fuse Rating</td>
<td></td>
<td>20A</td>
<td></td>
</tr>
<tr>
<td>Cell Type</td>
<td></td>
<td>6” half-cut monocrystalline</td>
<td></td>
</tr>
<tr>
<td>Module Efficiency</td>
<td>%</td>
<td>19.0</td>
<td>19.3</td>
</tr>
<tr>
<td>Temperature Coefficient of Pmpp</td>
<td>%/C</td>
<td>-0.42</td>
<td>-0.42</td>
</tr>
<tr>
<td>Temperature Coefficient of Voc</td>
<td>%/C</td>
<td>-0.31</td>
<td>-0.31</td>
</tr>
<tr>
<td>Temperature Coefficient of Isc</td>
<td>%/C</td>
<td>0.05</td>
<td></td>
</tr>
</tbody>
</table>

### Mechanical Characteristics

- **Laminate**: Glass: 3.2 high transmission, tempered, anti-reflective
  Encapsulant: EVA
  Backsheet: Weatherproof film (Black)

- **Frame**: Anodized aluminum (Black)

- **Junction Box**: IP67/IP68

- **Output Cables**: 4 mm² (12AWG) PV Wire, Length 1.2m (47.2”)

- **Connectors**: Polarized MC compatible

- **Weight**: 19.0 kg (41.89 lbs)

### Dimensions

- **Mounting Holes**: x4 Ø9mm (0.35”)
- **Grounding Holes**: x2 Ø4mm (0.16”)
- **Distance between mounting holes**: 1002mm (39.45”)
- **Distance between grounding holes**: 35mm (1.38”)

### Operating Conditions

- **Nominal Operating Cell Temp.**: 45+/-2° C
- **Operating Temperature**: -40 to 85° C
- **Maximum System Voltage**: 1,000V
- **Fire Performance**: Class C / Type 1
- **Maximum Wind Load**: 50 lbs/ft² (2400 Pa)
- **Maximum Snow Load**: 112 lbs/ft² (5400 Pa)