Manufacturer: Solectria Renewables, LLC
Model #: SGI 300

Rated Maximum Continuous Output Power: **304.850 kW**
Night Tare Loss: **-28.00 W**

<table>
<thead>
<tr>
<th>Vmin</th>
<th>300 Vdc</th>
<th>Vnom</th>
<th>360 Vdc</th>
<th>Vmax</th>
<th>480 Vdc</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Input Voltage (Vdc)</th>
<th>10%</th>
<th>20%</th>
<th>30%</th>
<th>50%</th>
<th>75%</th>
<th>100%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vmin 300</td>
<td>95.97</td>
<td>97.73</td>
<td>97.90</td>
<td>97.88</td>
<td>97.72</td>
<td>97.49</td>
</tr>
<tr>
<td>Vnom 360</td>
<td>95.43</td>
<td>97.36</td>
<td>97.67</td>
<td>97.76</td>
<td>97.70</td>
<td>97.41</td>
</tr>
<tr>
<td>Vmax 480</td>
<td>94.51</td>
<td>97.07</td>
<td>97.49</td>
<td>97.66</td>
<td>97.52</td>
<td>97.20</td>
</tr>
</tbody>
</table>

**CEC Efficiency = 97.5%**

![Graph showing efficiency vs. % of rated output power](image-url)
<table>
<thead>
<tr>
<th>Specified Sample</th>
<th>Sample #1</th>
<th>Sample #2</th>
<th>Sample #3</th>
<th>Sample #4</th>
<th>Sample #5</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Output Power</td>
<td>Output Voltage</td>
<td>Efficiency (%)</td>
<td>Output Power</td>
<td>Output Voltage</td>
</tr>
<tr>
<td>10% Vmin</td>
<td>27.773, 302.132</td>
<td>95.934</td>
<td>27.788, 302.102</td>
<td>95.970</td>
<td>27.779, 302.119</td>
</tr>
<tr>
<td>20% Vmin</td>
<td>64.415, 301.013</td>
<td>97.718</td>
<td>64.454, 301.030</td>
<td>97.738</td>
<td>64.468, 301.027</td>
</tr>
<tr>
<td>30% Vmin</td>
<td>95.599, 301.003</td>
<td>97.911</td>
<td>95.499, 300.949</td>
<td>97.905</td>
<td>95.508, 300.944</td>
</tr>
<tr>
<td>50% Vmin</td>
<td>162.373, 302.032</td>
<td>97.900</td>
<td>162.328, 301.646</td>
<td>97.875</td>
<td>162.351, 301.365</td>
</tr>
<tr>
<td>75% Vmin</td>
<td>212.526, 301.997</td>
<td>97.736</td>
<td>212.250, 301.996</td>
<td>97.734</td>
<td>212.155, 302.039</td>
</tr>
<tr>
<td>100% Vmin</td>
<td>287.985, 302.203</td>
<td>97.460</td>
<td>288.214, 301.969</td>
<td>97.492</td>
<td>288.059, 301.829</td>
</tr>
</tbody>
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<thead>
<tr>
<th>Specified Sample</th>
<th>Sample #6</th>
<th>Sample #7</th>
<th>Sample #8</th>
<th>Sample #9</th>
<th>Sample #10</th>
</tr>
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<tbody>
<tr>
<td></td>
<td>Output Power</td>
<td>Output Voltage</td>
<td>Efficiency (%)</td>
<td>Output Power</td>
<td>Output Voltage</td>
</tr>
<tr>
<td>30% Vnom</td>
<td>94.556, 360.788</td>
<td>97.654</td>
<td>94.591, 360.824</td>
<td>97.667</td>
<td>94.559, 360.842</td>
</tr>
<tr>
<td>50% Vnom</td>
<td>159.061, 360.437</td>
<td>97.770</td>
<td>158.987, 360.383</td>
<td>97.766</td>
<td>158.918, 360.365</td>
</tr>
<tr>
<td>75% Vnom</td>
<td>211.846, 360.308</td>
<td>97.687</td>
<td>211.777, 360.431</td>
<td>97.692</td>
<td>211.864, 360.505</td>
</tr>
<tr>
<td>100% Vnom</td>
<td>290.068, 359.875</td>
<td>97.430</td>
<td>290.046, 359.723</td>
<td>97.412</td>
<td>290.040, 359.646</td>
</tr>
</tbody>
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<thead>
<tr>
<th>Specified Sample</th>
<th>Sample #11</th>
<th>Sample #12</th>
<th>Sample #13</th>
<th>Sample #14</th>
<th>Sample #15</th>
</tr>
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<tr>
<td></td>
<td>Output Power</td>
<td>Output Voltage</td>
<td>Efficiency (%)</td>
<td>Output Power</td>
<td>Output Voltage</td>
</tr>
<tr>
<td>10% Vmax</td>
<td>27.615, 482.400</td>
<td>94.523</td>
<td>27.626, 482.417</td>
<td>94.522</td>
<td>27.617, 482.465</td>
</tr>
<tr>
<td>20% Vmax</td>
<td>64.916, 480.550</td>
<td>97.068</td>
<td>64.943, 480.541</td>
<td>97.080</td>
<td>64.957, 480.496</td>
</tr>
<tr>
<td>30% Vmax</td>
<td>96.009, 479.480</td>
<td>97.459</td>
<td>96.016, 479.369</td>
<td>97.494</td>
<td>96.034, 479.399</td>
</tr>
<tr>
<td>50% Vmax</td>
<td>159.496, 479.375</td>
<td>97.643</td>
<td>159.361, 479.666</td>
<td>97.649</td>
<td>159.534, 479.862</td>
</tr>
<tr>
<td>75% Vmax</td>
<td>211.754, 480.137</td>
<td>97.519</td>
<td>211.762, 480.199</td>
<td>97.528</td>
<td>211.582, 480.175</td>
</tr>
</tbody>
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