Manufacturer: SUNNA TECH LTD.

Model #: SUNNA 2000TL-US-240 (240 Vac)

Rated Maximum Continuous Output Power: 2.11 kW  
Night Tare Loss: 0.25 W

Vmin: 150 Vdc  Vnom: 375 Vdc  Vmax: 400 Vdc

<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>
<th>Wtd</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vmin 150</td>
<td>85.3</td>
<td>91.6</td>
<td>92.9</td>
<td>94.3</td>
<td>94.6</td>
<td>94.5</td>
<td>93.8</td>
</tr>
<tr>
<td>Vnom 375</td>
<td>82.1</td>
<td>91.9</td>
<td>94.2</td>
<td>95.6</td>
<td>96.1</td>
<td>96.4</td>
<td>95.0</td>
</tr>
<tr>
<td>Vmax 400</td>
<td>82.2</td>
<td>91.5</td>
<td>93.8</td>
<td>95.6</td>
<td>96.1</td>
<td>96.3</td>
<td>95.0</td>
</tr>
</tbody>
</table>

CEC Efficiency = 94.5%

Equipment Used:

<table>
<thead>
<tr>
<th>Asset#</th>
<th>Description</th>
<th>Mfg</th>
<th>Model</th>
<th>Cal Date</th>
<th>Cal Due</th>
</tr>
</thead>
<tbody>
<tr>
<td>EC0233</td>
<td>Hybrid Recorder</td>
<td>YOKOGAWA</td>
<td>DR 230</td>
<td>Nov. 2, 2010</td>
<td>Nov. 1, 2011</td>
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<tr>
<td>EC0229</td>
<td>Humidity Chamber</td>
<td>TERCHY</td>
<td>MHU-800LSA</td>
<td>Jul. 9, 2010</td>
<td>Jul. 8, 2011</td>
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</tbody>
</table>

Test Engineer: Alan Weng  
Date: Nov. 03-11, 2010
## Inverter Efficiency Data

### Minimum of 5 samples required

<table>
<thead>
<tr>
<th>Specified (Vdc)</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>(% of rated)</td>
<td>(kW)</td>
<td>(Vdc)</td>
<td>(%)</td>
<td>(kW)</td>
<td>(Vdc)</td>
</tr>
<tr>
<td>10% Vmin</td>
<td>0.19</td>
<td>162.44</td>
<td>85.54</td>
<td>0.19</td>
<td>166.11</td>
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<tr>
<td>20% Vmin</td>
<td>0.44</td>
<td>156.99</td>
<td>91.60</td>
<td>0.44</td>
<td>157.52</td>
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<tr>
<td>30% Vmin</td>
<td>0.66</td>
<td>156.42</td>
<td>93.04</td>
<td>0.66</td>
<td>156.34</td>
</tr>
<tr>
<td>50% Vmin</td>
<td>1.14</td>
<td>154.10</td>
<td>94.24</td>
<td>1.14</td>
<td>154.19</td>
</tr>
<tr>
<td>75% Vmin</td>
<td>1.66</td>
<td>152.66</td>
<td>94.51</td>
<td>1.66</td>
<td>152.68</td>
</tr>
<tr>
<td>100% Vmin</td>
<td>2.08</td>
<td>151.97</td>
<td>94.49</td>
<td>2.08</td>
<td>151.90</td>
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<tr>
<td>10% Vnom</td>
<td>0.15</td>
<td>420.23</td>
<td>81.79</td>
<td>0.15</td>
<td>419.13</td>
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<tr>
<td>20% Vnom</td>
<td>0.42</td>
<td>405.50</td>
<td>92.86</td>
<td>0.41</td>
<td>405.77</td>
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<tr>
<td>30% Vnom</td>
<td>0.66</td>
<td>397.33</td>
<td>94.00</td>
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<td>397.71</td>
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<tr>
<td>50% Vnom</td>
<td>1.14</td>
<td>394.65</td>
<td>95.62</td>
<td>1.14</td>
<td>395.29</td>
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<tr>
<td>75% Vnom</td>
<td>1.68</td>
<td>389.05</td>
<td>96.20</td>
<td>1.68</td>
<td>389.92</td>
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<tr>
<td>100% Vnom</td>
<td>2.11</td>
<td>387.02</td>
<td>96.34</td>
<td>2.12</td>
<td>386.64</td>
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<tr>
<td>10% Vmax</td>
<td>0.16</td>
<td>430.21</td>
<td>82.16</td>
<td>0.16</td>
<td>429.65</td>
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<tr>
<td>20% Vmax</td>
<td>0.42</td>
<td>420.31</td>
<td>91.84</td>
<td>0.42</td>
<td>418.68</td>
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<tr>
<td>30% Vmax</td>
<td>0.66</td>
<td>416.01</td>
<td>93.71</td>
<td>0.66</td>
<td>416.49</td>
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<tr>
<td>50% Vmax</td>
<td>1.15</td>
<td>410.24</td>
<td>95.80</td>
<td>1.15</td>
<td>411.00</td>
</tr>
<tr>
<td>75% Vmax</td>
<td>1.68</td>
<td>407.90</td>
<td>96.03</td>
<td>1.68</td>
<td>408.59</td>
</tr>
<tr>
<td>100% Vmax</td>
<td>2.12</td>
<td>406.70</td>
<td>96.43</td>
<td>2.12</td>
<td>406.33</td>
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