Manufacturer: Fronius USA

Model #: Fronius Primo 3.8-1 208-240 @ 240Vac

Rated Maximum Continuous Output Power: 3.800 kW  
Night Tare Loss: 0.6 W

Vmin: 200 Vdc  
Vnom: 650 Vdc  
Vmax: 800 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>
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</thead>
<tbody>
<tr>
<td>Vmin 200</td>
<td>0.38</td>
<td>0.76</td>
<td>1.14</td>
<td>1.90</td>
<td>2.85</td>
<td>3.80</td>
<td>94.4</td>
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<tr>
<td>Vnom 650</td>
<td>87.2</td>
<td>93.4</td>
<td>95.0</td>
<td>96.4</td>
<td>96.9</td>
<td>97.2</td>
<td>96.0</td>
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<tr>
<td>Vmax 800</td>
<td>87.0</td>
<td>93.7</td>
<td>95.5</td>
<td>96.9</td>
<td>97.4</td>
<td>97.6</td>
<td>96.5</td>
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</tbody>
</table>

CEC Efficiency = 95.5%
### Inverter Efficiency Data

Minimum of 5 samples required

<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>Specified Sample #</td>
<td>Output Power (W)</td>
<td>Input Voltage (Vdc)</td>
<td>Efficiency (%)</td>
<td>Output Power (W)</td>
<td>Input Voltage (Vdc)</td>
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<tr>
<td>10% Vmin</td>
<td>367.78</td>
<td>200.32</td>
<td>85.51</td>
<td>367.55</td>
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<tr>
<td>20% Vmin</td>
<td>830.21</td>
<td>200.46</td>
<td>91.52</td>
<td>830.12</td>
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<tr>
<td>30% Vmin</td>
<td>1230.72</td>
<td>200.49</td>
<td>93.27</td>
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<td>200.49</td>
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<td>50% Vmin</td>
<td>2089.08</td>
<td>200.52</td>
<td>94.82</td>
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<td>200.52</td>
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<tr>
<td>75% Vmin</td>
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<td>200.56</td>
<td>95.41</td>
<td>3033.39</td>
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<td>100% Vmin</td>
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<td>95.61</td>
<td>3984.10</td>
<td>200.59</td>
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<tr>
<td>10% Vnom</td>
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<td>648.33</td>
<td>87.37</td>
<td>367.16</td>
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<td>30% Vnom</td>
<td>1218.50</td>
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<td>75% Vnom</td>
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<td>648.46</td>
<td>96.94</td>
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<td>648.46</td>
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<td>30% Vmax</td>
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<td>801.24</td>
<td>95.48</td>
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<td>801.24</td>
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<td>96.87</td>
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<tr>
<td>75% Vmax</td>
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<td>801.31</td>
<td>97.40</td>
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<tr>
<td>100% Vmax</td>
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<td>801.33</td>
<td>97.63</td>
<td>3973.62</td>
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