Manufacturer: Emerson Network Power

Model #: SPV-5.0AIUSO

Rated Maximum Continuous Output Power: 4.95 kW  Night Tare Loss: -1.26 W

Vmin: 250 Vdc  Vnom: 360 Vdc  Vmax: 475 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</td>
<td>250</td>
<td>89.17</td>
<td>93.99</td>
<td>94.92</td>
<td>95.31</td>
<td>94.86</td>
<td>94.24</td>
</tr>
<tr>
<td>Vnom</td>
<td>360</td>
<td>90.43</td>
<td>94.42</td>
<td>95.25</td>
<td>95.69</td>
<td>95.46</td>
<td>94.24</td>
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<tr>
<td>Vmax</td>
<td>475</td>
<td>89.11</td>
<td>93.51</td>
<td>94.69</td>
<td>95.31</td>
<td>95.15</td>
<td>94.67</td>
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CEC Efficiency = 95.0%
## 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>
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<tbody>
<tr>
<td></td>
<td>Output Power (kW)</td>
<td>Input Voltage (Vdc)</td>
<td>Efficiency (%)</td>
<td>Output Power (kW)</td>
<td>Input Voltage (Vdc)</td>
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<tr>
<td>10% Vmin</td>
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<td>250.87</td>
<td>89.33</td>
<td>396.28</td>
<td>250.87</td>
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<tr>
<td>20% Vmin</td>
<td>1003.85</td>
<td>250.46</td>
<td>94.00</td>
<td>1004.36</td>
<td>250.46</td>
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<tr>
<td>30% Vmin</td>
<td>1504.06</td>
<td>250.51</td>
<td>94.91</td>
<td>1504.16</td>
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<tr>
<td>50% Vmin</td>
<td>2509.72</td>
<td>250.40</td>
<td>95.31</td>
<td>2509.17</td>
<td>250.40</td>
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<tr>
<td>75% Vmin</td>
<td>3762.23</td>
<td>250.17</td>
<td>94.86</td>
<td>3762.51</td>
<td>250.16</td>
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<tr>
<td>100% Vmin</td>
<td>5001.66</td>
<td>250.33</td>
<td>94.25</td>
<td>4995.39</td>
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### Specified Sample #6 to Sample #10

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<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>
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</thead>
<tbody>
<tr>
<td></td>
<td>Output Power (kW)</td>
<td>Input Voltage (Vdc)</td>
<td>Efficiency (%)</td>
<td>Output Power (kW)</td>
<td>Input Voltage (Vdc)</td>
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<tr>
<td>10% Vnom</td>
<td>443.17</td>
<td>361.65</td>
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<td>30% Vnom</td>
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<td>360.58</td>
<td>95.25</td>
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<tr>
<td>50% Vnom</td>
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<td>75% Vnom</td>
<td>3750.34</td>
<td>360.49</td>
<td>95.46</td>
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<tr>
<td>100% Vnom</td>
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<td>360.33</td>
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### Specified Sample #11 to Sample #15

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<th>Specified Sample</th>
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<th>Sample #12</th>
<th>Sample #13</th>
<th>Sample #14</th>
<th>Sample #15</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Output Power (kW)</td>
<td>Input Voltage (Vdc)</td>
<td>Efficiency (%)</td>
<td>Output Power (kW)</td>
<td>Input Voltage (Vdc)</td>
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<tr>
<td>10% Vmax</td>
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<tr>
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<td>50% Vmax</td>
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<td>95.32</td>
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<td>75% Vmax</td>
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<tr>
<td>100% Vmax</td>
<td>5050.10</td>
<td>475.24</td>
<td>94.67</td>
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