80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load): 96.39%
AVERAGE EFFICIENCY: 95.45%
80 PLUS COMPLIANT: YES

Ecos ID #      SO-1060.1
Manufacturer    Super Micro Computer, Inc.
Model Number    PWS-1K05A-1R
Serial Number   N/A
Year            2016
Type            1U
Test Date       01/29/16

Input AC Current Waveform (ITHD = 3.72%, 50% Load)

<table>
<thead>
<tr>
<th>ITHD</th>
<th>PF</th>
<th>Load</th>
<th>Fraction of Load</th>
<th>Input Watts</th>
<th>External Fan (W)*</th>
<th>DC Terminal Voltage (V)/ DC Load Current (A)</th>
<th>Output Watts</th>
<th>Efficiency %</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.51</td>
<td>0.95</td>
<td>12.83</td>
<td>10% Low</td>
<td>112</td>
<td>5.76</td>
<td>12.38/5.19</td>
<td>103</td>
<td>92.08%</td>
</tr>
<tr>
<td>0.98</td>
<td>0.98</td>
<td>8.82</td>
<td>25% Light</td>
<td>217</td>
<td>5.64</td>
<td>12.29/16.41</td>
<td>206</td>
<td>95.00%</td>
</tr>
<tr>
<td>2.33</td>
<td>0.99</td>
<td>3.72</td>
<td>50% Typical</td>
<td>532</td>
<td>5.64</td>
<td>12.26/40.99</td>
<td>513</td>
<td>96.39%</td>
</tr>
<tr>
<td>4.71</td>
<td>1.00</td>
<td>2.05</td>
<td>100% Full</td>
<td>1083</td>
<td>5.76</td>
<td>12.31/81.96</td>
<td>1029</td>
<td>94.96%</td>
</tr>
</tbody>
</table>

* Fan power is not included in the efficiency calculations

Note: All measurements were taken with input voltage at 230 V nominal and 60 Hz.

These tests were conducted by a third party independent testing firm on behalf of the 80 PLUS® Program. 80 PLUS is a certification program to promote highly-efficient power supplies (greater than 80% efficiency in the active mode) in technology applications. http://www.80plus.org/