80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load): 95.08%
AVERAGE EFFICIENCY: 94.13%
80 PLUS COMPLIANT: YES

Ecos ID # SC-426.1
Manufacturer Super Micro Computer Inc.
Model Number PWS-1K28P-SQ
Serial Number N/A
Year 2012
Type 1U
Test Date 5/11/2012

Input Current and Voltage Waveforms

Input AC Current Waveform (ITHD = 2.44%, 50% Load)

Rated Specifications | Value | Units
---|---|---
Input Voltage | 100-140 / 180-240 | Volts
Input Current | 12 - 6 / 8 - 6 | Amps
Input Frequency | 50-60 | Hz
Rated Output Power | 1,280 | Watts

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

<table>
<thead>
<tr>
<th>Load (%)</th>
<th>Fan Power (W)*</th>
<th>DC Terminal Voltage (V)</th>
<th>DC Load Current (A)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10%</td>
<td></td>
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<tr>
<td>20%</td>
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<tr>
<td>50%</td>
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<tr>
<td>100%</td>
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</tbody>
</table>

* Fan power is not included in the efficiency calculations

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/