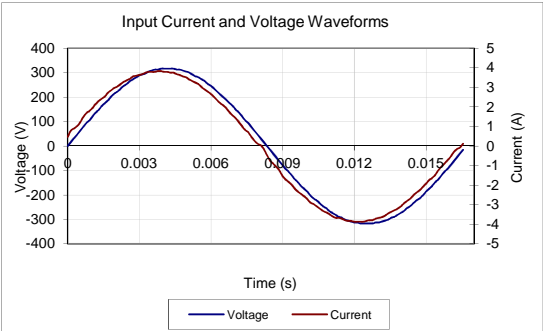


# 80 PLUS Verification and Testing Report

<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>96.01%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>94.98%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>



<b>Ecos ID #</b>	SO-788.1
<b>Manufacturer</b>	Super Micro Computer Inc.
<b>Model Number</b>	PWS-1K22A-1R
<b>Serial Number</b>	N/A
<b>Year</b>	2014
<b>Type</b>	1U
<b>Test Date</b>	07/23/14



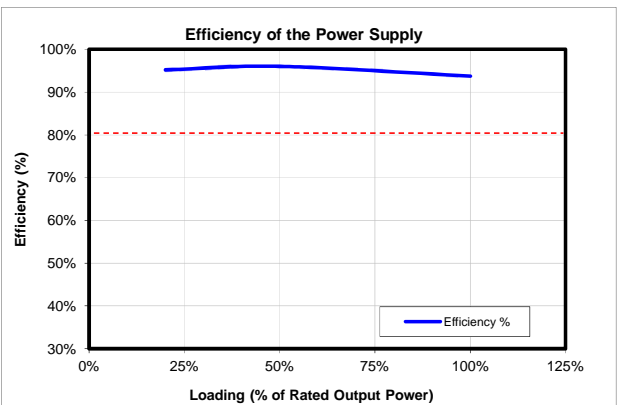
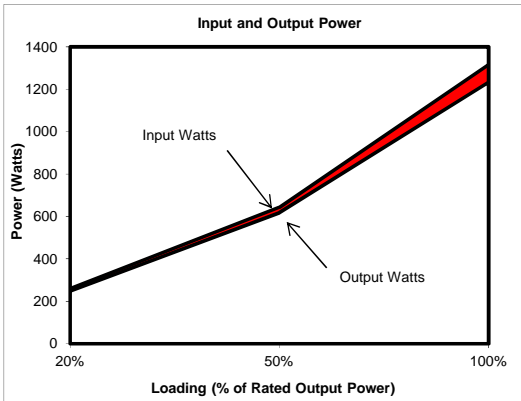
Rated Specifications	Value	Units
Input Voltage	100-140 / 200-240	Volts
Input Current	9.8-7 / 7.5-6	Amps
Input Frequency	50-60	Hz
<b>Rated Output Power</b>	<b>1,200</b>	<b>Watts</b>

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

Input AC Current Waveform (ITHD = 1.884%, 50% Load)

I <sub>RMS</sub> A	PF	I <sub>THD</sub> (%)	Load (%)	Fraction of Load	Input Watts	External Fan (W)*	DC Terminal Voltage (V)/ DC Load Current (A)		Output Watts	Efficiency %
							12V	12Vsb		
0.67	0.89	10.64	10%	Low	137	1.92	12.43/9.83	12.43/0.21	125	90.70%
1.18	0.96	8.14	20%	Light	260	1.92	12.37/19.63	12.37/0.41	248	95.20%
2.82	0.99	1.88	50%	Typical	644	2.04	12.34/49.1	12.33/1.02	618	96.01%
0.57	1.00	1.52	100%	Full	1316	2.54	12.31/98.15	12.3/2.05	1234	93.74%

\* 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<sup>®</sup> 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/>

