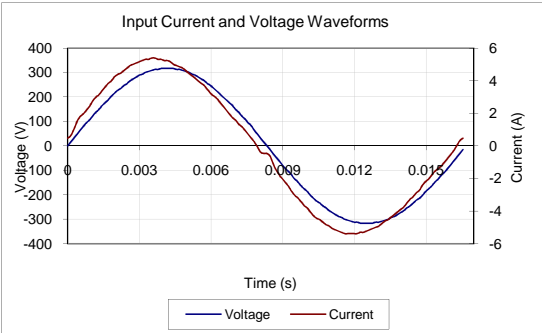


# 80 PLUS Verification and Testing Report

<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>94.00%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>92.45%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>



<b>Ecos ID #</b>	SO-235.1
<b>Manufacturer</b>	Super Micro Computer, Inc.
<b>Model Number</b>	PWS-1K62P-1R
<b>Serial Number</b>	N/A
<b>Year</b>	2011
<b>Type</b>	1U
<b>Test Date</b>	1/21/2011



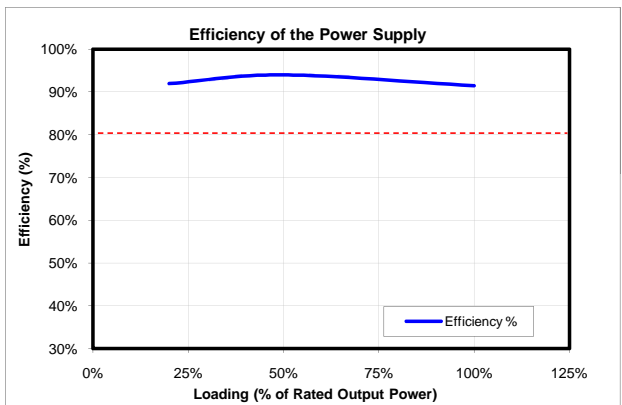
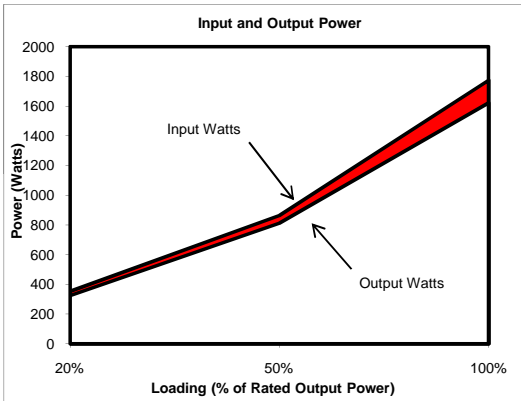
Input AC Current Waveform (ITHD = 4.59%, 50% Load)

Rated Specifications	Value	Units
Input Voltage	<b>100-240</b>	Volts
Input Current	<b>12-8</b>	Amps
Input Frequency	<b>50-60</b>	Hz
<b>Rated Output Power</b>	<b>1,620</b>	<b>Watts</b>

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

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	5Vsb		
0.92	0.87	12.27	*10%	Low	185	0.96	12.03/13.32	5.06/0.4	162	87.62%
1.64	0.94	6.41	20%	Light	354	7.20	12.03/26.68	5.05/0.79	325	91.92%
3.82	0.98	4.59	50%	Typical	864	1.20	12.03/66.67	5.05/1.98	812	94.00%
7.76	0.99	3.11	100%	Full	1775	2.16	12.02/133.36	5.04/3.95	1623	91.43%

\* 10% load results are for informative purposes only and not included in certification requirements.  
 \*\* 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/>

