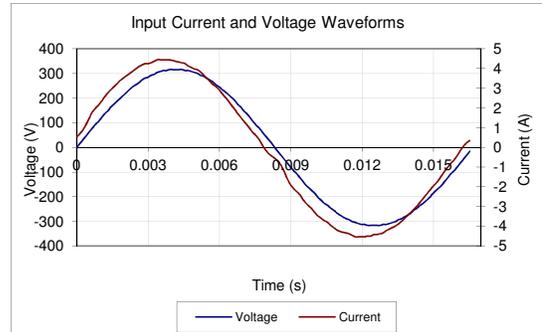


# 80 PLUS Verification and Testing Report



<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>94.77%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>93.55%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>

<b>Ecos ID #</b>	SO-415.1
<b>Manufacturer</b>	Super Micro Computer, Inc.
<b>Model Number</b>	PWS-1K43F-1R
<b>Serial Number</b>	N/A
<b>Year</b>	2012
<b>Type</b>	1U
<b>Test Date</b>	4/20/2012



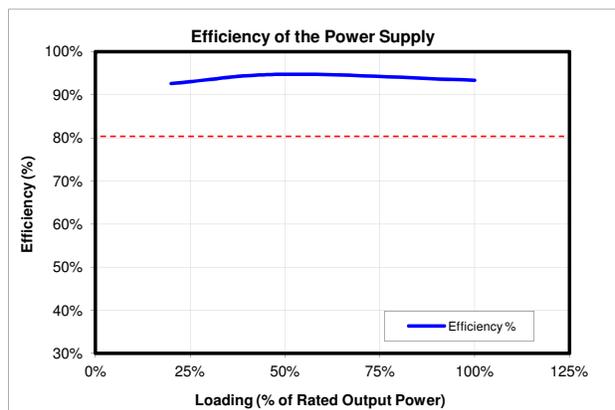
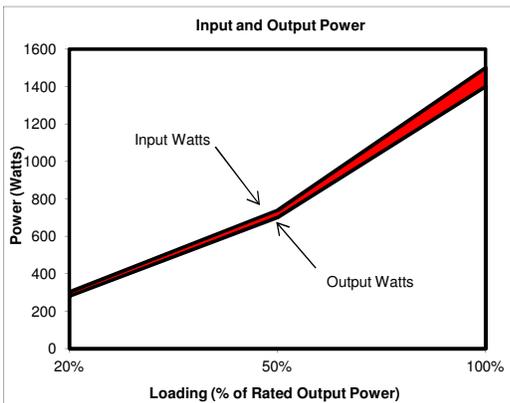
Input AC Current Waveform (ITHD = 2.6%, 50% Load)

Rated Specifications	Value	Units
Input Voltage	100-140 / 180-240	Volts
Input Current	14.7-10.5 / 10.5-8.0	Amps
Input Frequency	50-60	Hz
<b>Rated Output Power</b>	<b>1,400</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		
0.84	0.82	8.87	10%	Low	159	1.68	12.01/11.42	5.06/0.59	140	87.95%
1.44	0.91	6.57	20%	Light	303	1.68	12.01/22.84	5.05/1.17	280	92.56%
3.30	0.98	2.60	50%	Typical	740	2.04	12.01/57.15	5.02/2.92	701	94.77%
6.57	0.99	2.09	100%	Full	1502	7.68	12.01/114.22	4.96/5.97	1402	93.33%

\* 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/>

