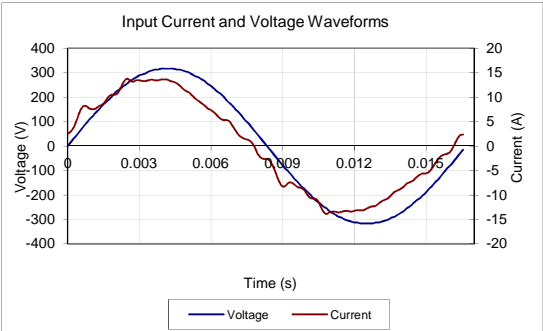


# 80 PLUS Verification and Testing Report

<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>96.37%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>95.34%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>



<b>Ecos ID #</b>	SO-856.1
<b>Manufacturer</b>	Super Micro Computer Inc
<b>Model Number</b>	PWS-1K03A-1R
<b>Serial Number</b>	N/A
<b>Year</b>	2014
<b>Type</b>	1U
<b>Test Date</b>	12/04/14



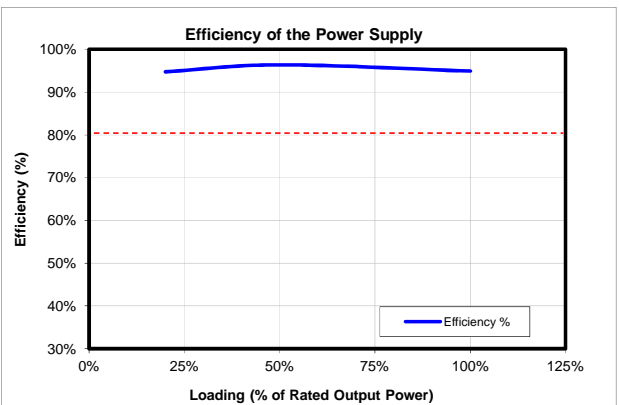
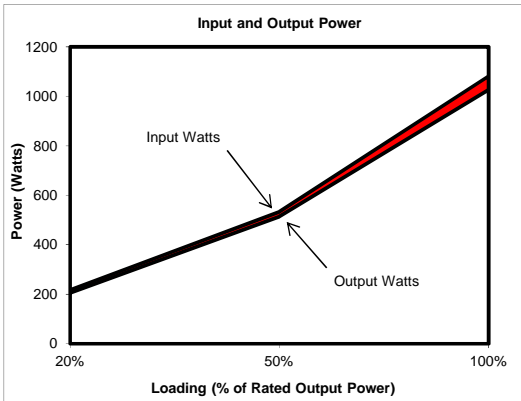
Input AC Current Waveform (ITHD = 4.21%, 50% Load)

Rated Specifications	Value	Units
Input Voltage	100-127 / 200-240	Volts
Input Current	12-9 / 7.2-6	Amps
Input Frequency	50-60	Hz
<b>Rated Output Power</b>	<b>1,000</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		
0.60	0.83	9.79	10%	Low	114	2.14	12.37/8.17	5.16/0.39	103	90.42%
1.02	0.93	6.93	20%	Light	218	2.14	12.34/16.37	5.16/0.79	206	94.73%
2.37	0.98	4.21	50%	Typical	533	2.14	12.31/40.93	5.15/1.96	514	96.37%
4.75	0.99	2.57	100%	Full	1082	2.02	12.3/81.87	5.13/3.92	1027	94.91%

\* 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/>

