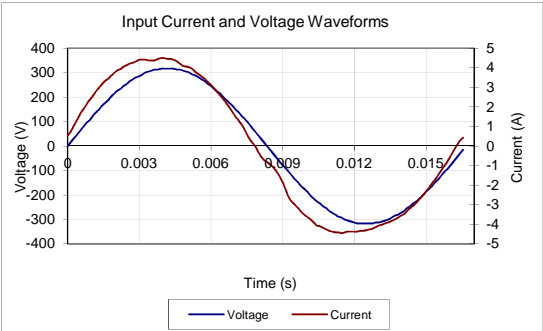


# 80 PLUS Verification and Testing Report

<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>96.33%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>94.83%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>



<b>Ecos ID #</b>	SO-983.1
<b>Manufacturer</b>	Super Micro Computer Inc.
<b>Model Number</b>	PWS-1K62A-1R
<b>Serial Number</b>	N/A
<b>Year</b>	2015
<b>Type</b>	1U
<b>Test Date</b>	10/08/15



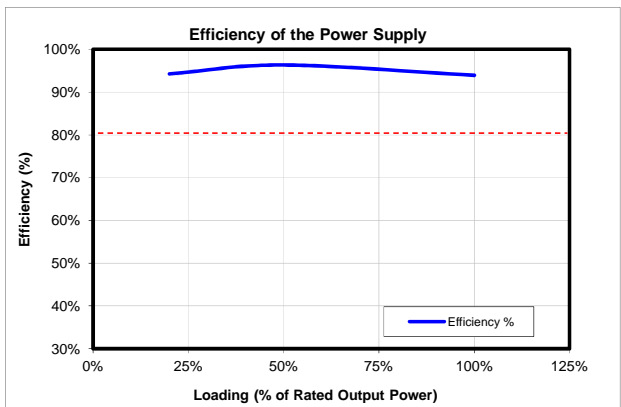
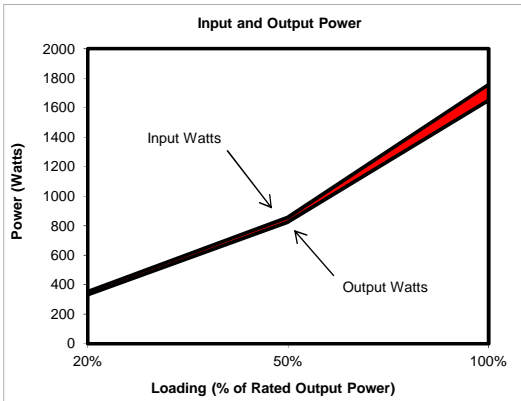
Rated Specifications	Value	Units
Input Voltage	100-127 / 200-240	Volts
Input Current	13-9 / 10-8	Amps
Input Frequency	50-60	Hz
<b>Rated Output Power</b>	<b>1,600</b>	<b>Watts</b>

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

Input AC Current Waveform (ITHD = 4.95%, 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		
0.86	0.92	7.23	10%	Low	182	5.32	12.49/13.17	12.26/0.21	167	91.88%
1.58	0.97	8.26	20%	Light	354	5.49	12.47/26.33	12.22/0.41	334	94.24%
3.76	0.99	4.95	50%	Typical	858	5.57	12.36/65.85	12.07/1.04	826	96.33%
7.66	1.00	5.61	100%	Full	1757	5.98	12.35/131.67	12.04/2.07	1651	93.93%

\* 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/>

