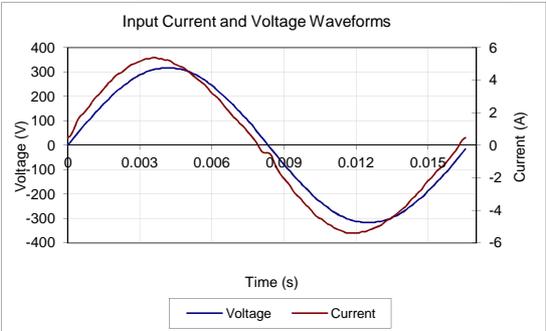


80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	94.00%
AVERAGE EFFICIENCY :	92.45%
80 PLUS COMPLIANT:	YES



Ecos ID #	SO-235.2
Manufacturer	Super Micro Computer, Inc.
Model Number	PWS-1K63S-1R
Serial Number	N/A
Year	2011
Type	1U
Test Date	1/21/2011



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

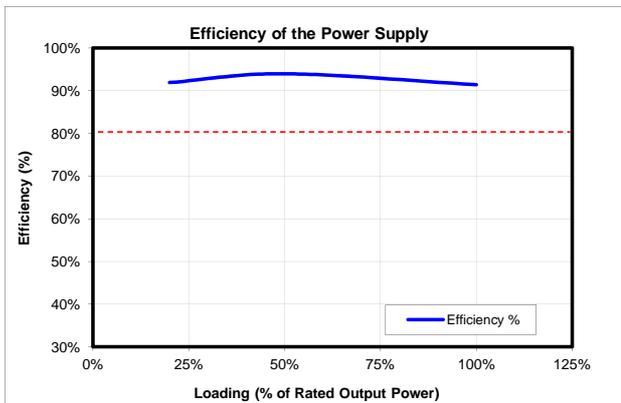
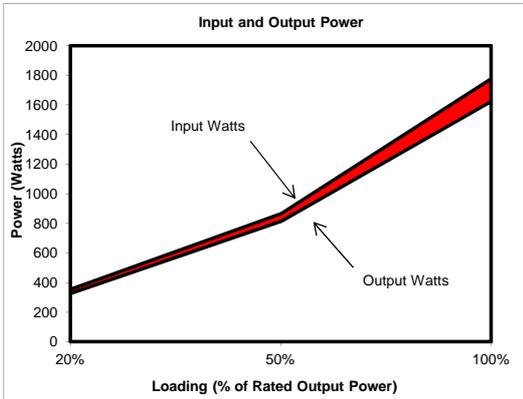
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	12-8	Amps
Input Frequency	50-60	Hz
Rated Output Power	1,620	Watts

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

I _{RMS} A	PF	I _{THD} (%)	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[®] 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/>

