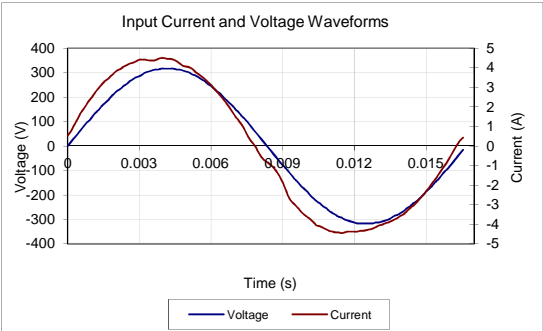


80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	96.33%
AVERAGE EFFICIENCY :	94.83%
80 PLUS COMPLIANT:	YES



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



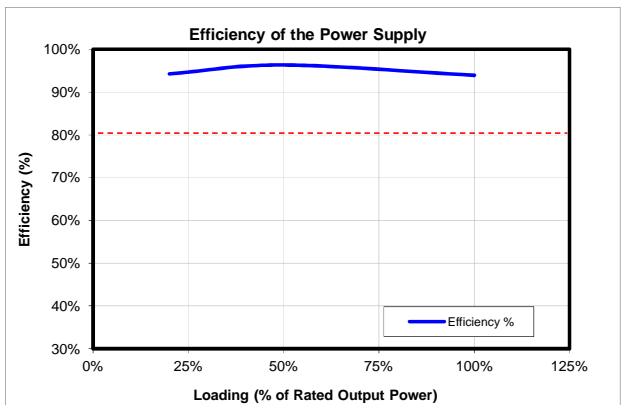
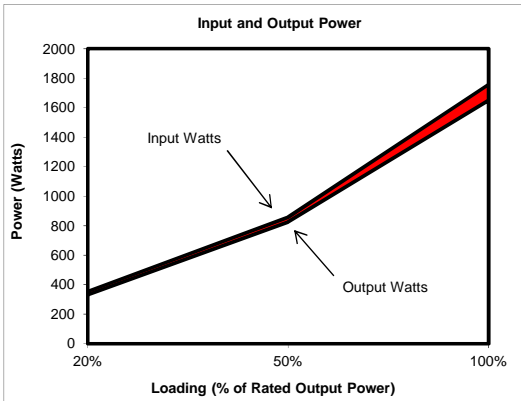
Input AC Current Waveform (ITHD = 4.95%, 50% Load)

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

