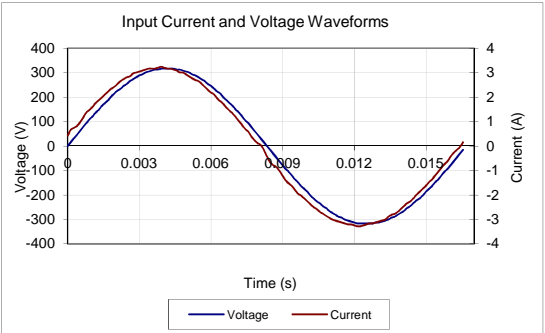


80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	96.04%
AVERAGE EFFICIENCY :	94.93%
80 PLUS COMPLIANT:	YES



Ecos ID #	SO-787.1
Manufacturer	Super Micro Computer Inc.
Model Number	PWS-1K02A-1R
Serial Number	N/A
Year	2014
Type	1U
Test Date	07/24/14



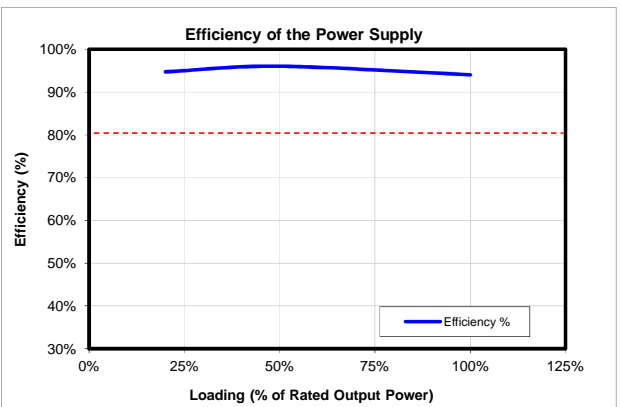
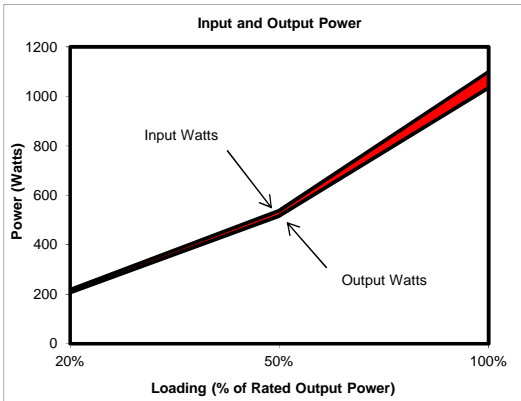
Input AC Current Waveform (ITHD = 1.404%, 50% Load)

Rated Specifications	Value	Units
Input Voltage	100-140 / 180-240	Volts
Input Current	9.8-7 / 7-5	Amps
Input Frequency	50-60	Hz
Rated Output Power	1,000	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		
0.56	0.89	8.48	10%	Low	114	2.04	12.43/8.16	12.41/0.21	104	91.61%
0.99	0.96	6.78	20%	Light	219	2.04	12.42/16.3	12.4/0.41	208	94.73%
2.36	0.99	1.40	50%	Typical	538	2.18	12.38/40.75	12.34/1.03	517	96.04%
4.82	0.99	1.63	100%	Full	1100	2.66	12.39/81.44	12.35/2.05	1034	94.03%

* 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/>

