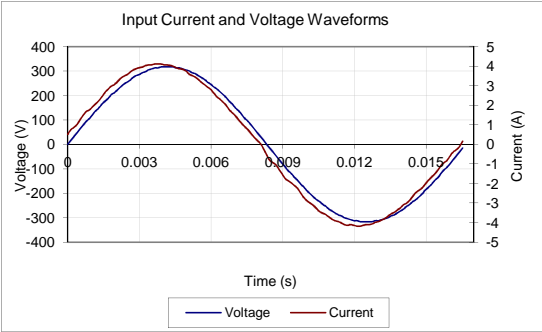


80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	95.08%
AVERAGE EFFICIENCY :	94.13%
80 PLUS COMPLIANT:	YES



Ecos ID #	SO-426.1
Manufacturer	Super Micro Computer Inc.
Model Number	PWS-1K28P-SQ
Serial Number	N/A
Year	2012
Type	1U
Test Date	5/11/2012



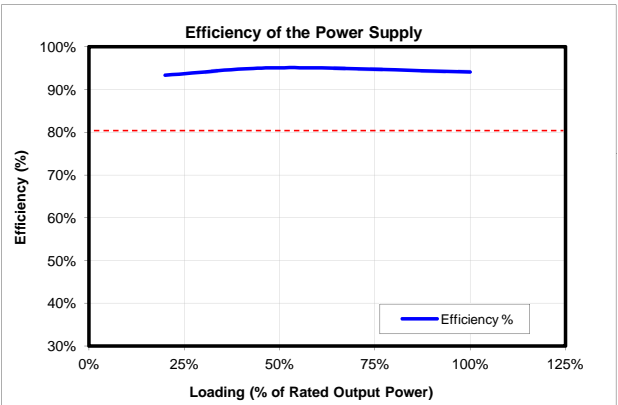
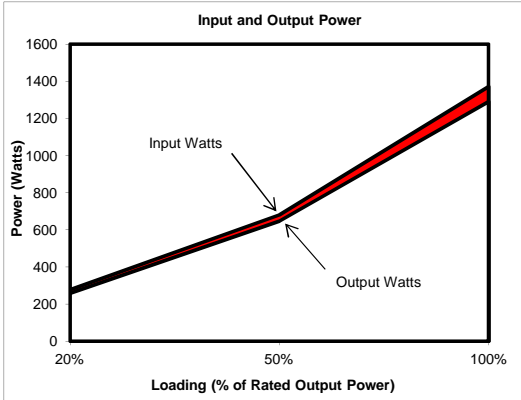
Rated Specifications	Value	Units
Input Voltage	100-140 / 180-240	Volts
Input Current	12 - 8 / 8 - 6	Amps
Input Frequency	50-60	Hz
Rated Output Power	1,280	Watts

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

Input AC Current Waveform (ITHD = 2.44%, 50% Load)

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		
0.72	0.86	9.85	10%	Low	143	1.44	12.16/10.49	5.13/0.39	130	90.76%
1.28	0.95	6.13	20%	Light	278	1.45	12.15/20.99	5.13/0.79	259	93.28%
2.99	0.99	2.44	50%	Typical	681	2.04	12.14/52.48	5.12/1.97	647	95.08%
5.98	1.00	1.72	100%	Full	1373	8.83	12.1/105.02	5.1/3.94	1291	94.04%

* 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/>

