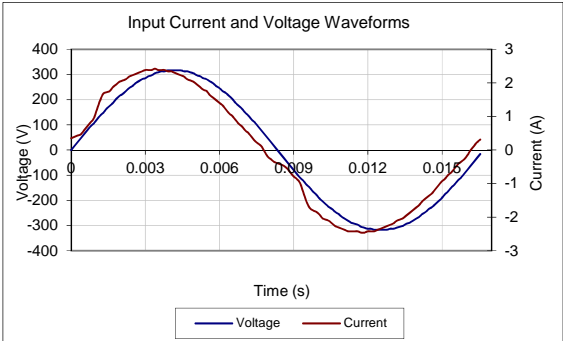


80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	96.14%
AVERAGE EFFICIENCY :	95.22%
80 PLUS COMPLIANT:	YES



Ecos ID #	SO-1075.1
Manufacturer	Super Micro Computer Inc.
Model Number	PWS-2K05A-1R
Serial Number	N/A
Year	2016
Type	1U
Test Date	03/03/16



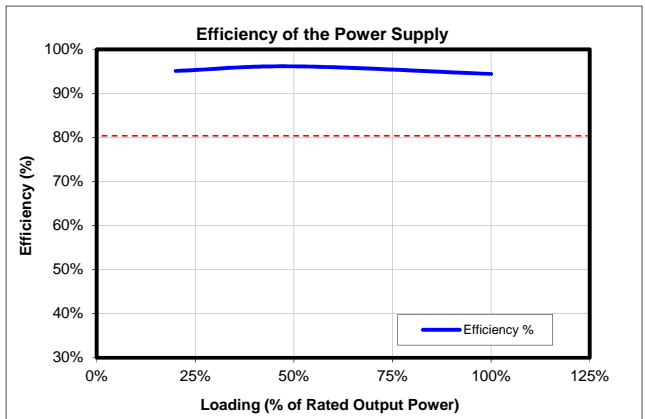
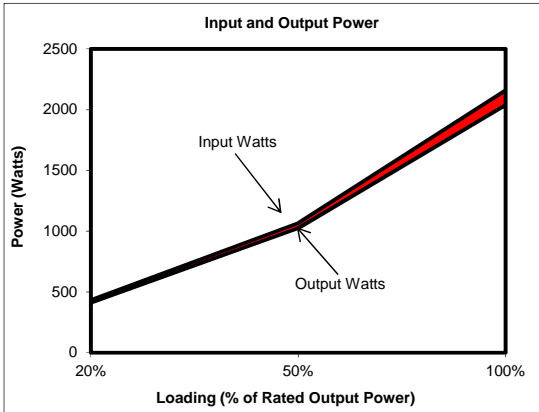
Rated Specifications	Value	Units
Input Voltage	200-240	Volts
Input Current	11.8-9.8	Amps
Input Frequency	50-60	Hz
Rated Output Power	2,000	Watts

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

Input AC Current Waveform (ITHD = 2.65%, 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	12Vsb		
1.00	0.97	12.80	10%	Low	223	3.72	12.29/16.5	12.01/0.21	205	92.23%
1.91	0.98	6.73	20%	Light	432	4.20	12.28/33.06	11.99/0.41	411	95.09%
4.65	1.00	2.65	50%	Typical	1066	6.24	12.26/82.59	11.94/1.04	1025	96.14%
9.39	1.00	2.13	100%	Full	2159	10.80	12.23/164.68	11.9/2.07	2038	94.41%

* 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/>

