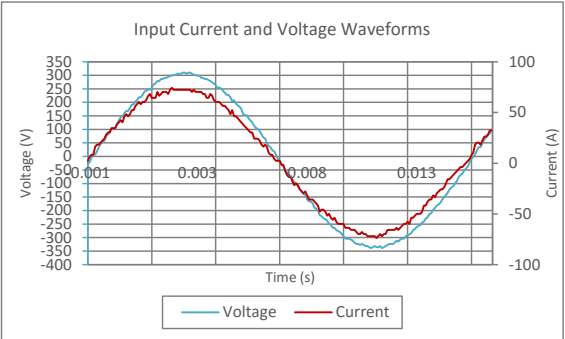


80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	96.10%
AVERAGE EFFICIENCY :	95.07%
80 PLUS COMPLIANT:	YES



ID Number	SO-1248.1
Manufacturer	Super Micro Computer Inc.
Model Number	PWS-2K21A-2R
Serial Number	N/A
Year	2017
Type	2U
Test Date	04/03/17



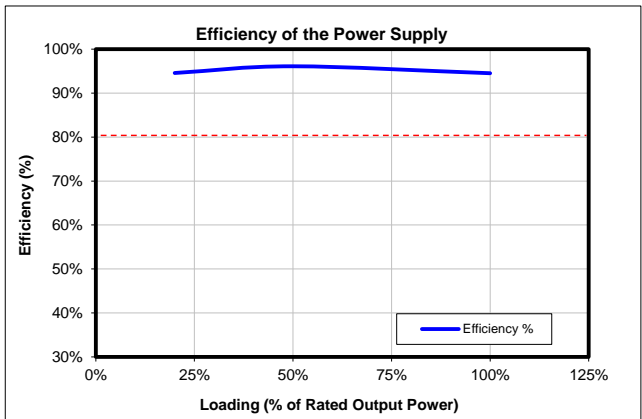
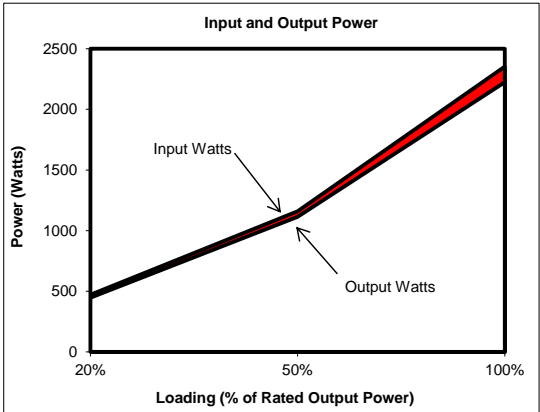
Rated Specifications	Value	Units
Input Voltage	220-240	Volts
Input Current	12-11	Amps
Input Frequency	50-60	Hz
Rated Output Power	2,200	Watts

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

Input AC Current Waveform (ITHD = 1.74%, 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		
1.12	0.94	9.72	10%	Low	242	0.97	12.13/18.17	12.13/0.2	223	92.11%
2.10	0.98	7.79	20%	Light	472	11.40	12.13/36.43	12.12/0.39	447	94.58%
5.06	1.00	1.74	50%	Typical	1158	30.48	12.12/90.87	12.1/0.99	1113	96.10%
10.25	1.00	1.28	100%	Full	2353	48.84	12.1/181.76	12.08/1.99	2224	94.52%

* 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/>

