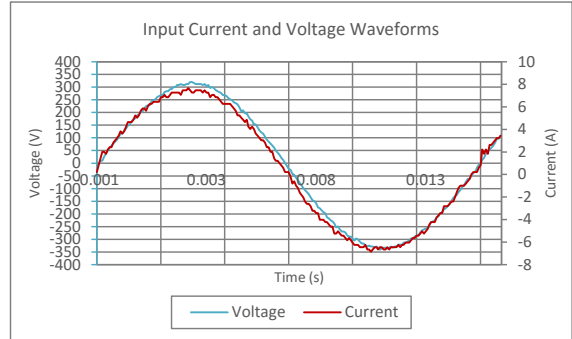


80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	96.26%
AVERAGE EFFICIENCY :	95.57%
80 PLUS COMPLIANT:	YES



ID Number	SO-1288.1
Manufacturer	Super Micro Computer, Inc
Model Number	PWS-2K22A-1R
Serial Number	PWS-2K22A-1R
Year	2017
Type	1U
Test Date	07/10/17



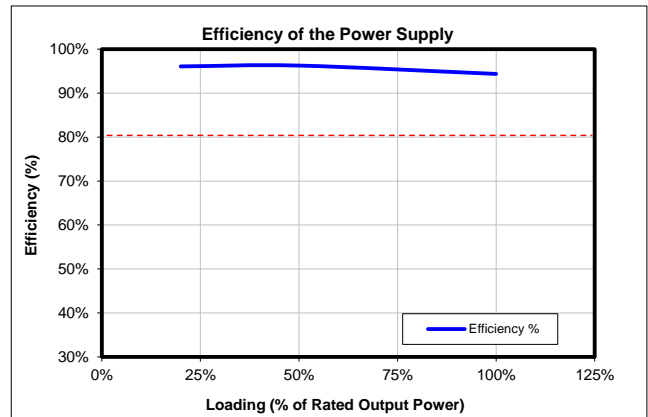
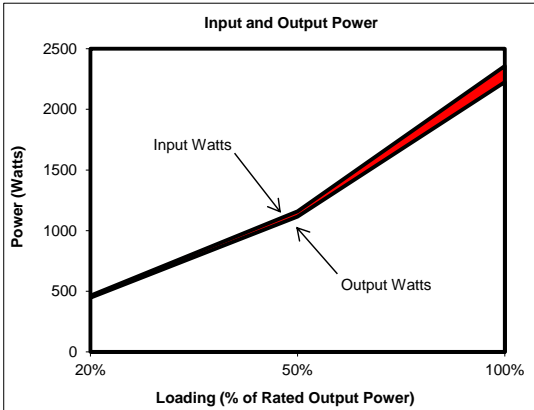
Rated Specifications	Value	Units
Input Voltage	220-240	Volts
Input Current	12-11	Amps
Input Frequency	50-60	Hz
Rated Output Power	2,200	Watts

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

Input AC Current Waveform (ITHD = 2.17%, 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		
1.11	0.93	8.75	10%	Low	239	1.32	12.16/18.17	11.93/0.21	223	93.30%
2.07	0.98	5.14	20%	Light	465	1.32	12.15/36.34	11.91/0.42	446	96.07%
5.06	0.99	2.17	50%	Typical	1159	3.12	12.15/90.83	11.89/1.04	1116	96.26%
10.28	1.00	1.37	100%	Full	2358	11.16	12.11/181.66	11.84/2.09	2225	94.37%

* 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/>

