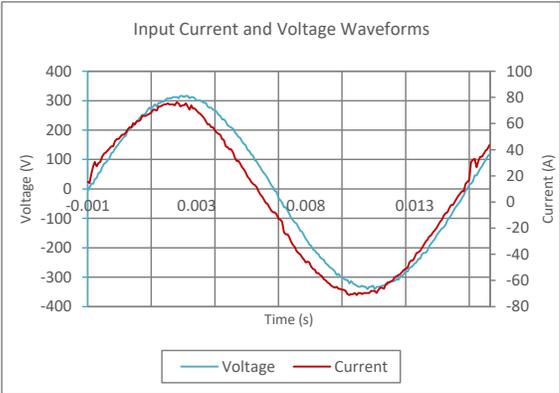


80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	94.55%
AVERAGE EFFICIENCY :	93.20%
80 PLUS COMPLIANT:	YES



ID Number	SO-1637.1
Manufacturer	Super Micro Computer, Inc
Model Number	PWS-2K21G-2R
Serial Number	N/A
Year	2019
Type	2U
Test Date	12/17/19



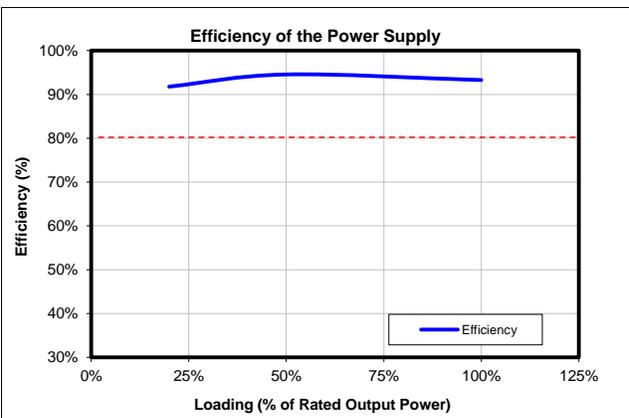
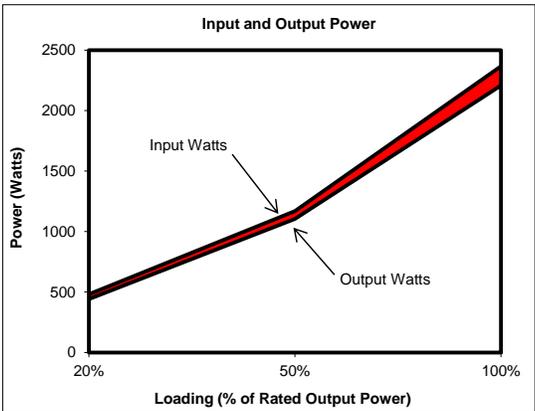
Rated Specifications	Value	Units
Input Voltage	100-127/200-220/220-230/230-240	Volts
Input Current	14-11/10-9.5/10-9.8/10-9.8	Amps
Input Frequency	50-60	Hz
Rated Output Power	2,200	Watts

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

Input AC Current Waveform (ITHD = 2.12%, 50% Load)

I _{RMS}	PF	I _{THD}	Load	Fraction of Load	Input Watts	External Fan (W)*	DC Terminal Voltage (V)/ DC Load Current (A)			Output Watts	Efficiency
							54V	12V	12Vsb		
1.15	0.97	7.79%	10%	Low	257	6.96	54/3.28	12.16/3.37	12.15/0.24	221	86.08%
2.12	0.99	5.89%	20%	Light	482	6.96	54/6.57	12.15/6.74	12.14/0.49	442	91.78%
5.10	1.00	2.12%	50%	Typical	1169	6.96	53.99/16.42	12.12/16.86	12.09/1.21	1105	94.55%
10.30	1.00	1.68%	100%	Full	2367	11.76	53.99/32.83	12.06/33.69	12.03/2.43	2208	93.27%

* 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/>

