80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	**96.22%**
AVERAGE EFFICIENCY :	**95.47%**
80 PLUS COMPLIANT:	**YES**

ID Number	SO-1467.1
Manufacturer	Super Micro Computer, Inc
Model Number	PWS-2K60A-1R
Serial Number	N/A
Year	2018
Type	1U
Test Date	11/01/18

Input Current and Voltage Waveforms

Input AC Current Waveform (ITHD = 4.51%, 50% Load)
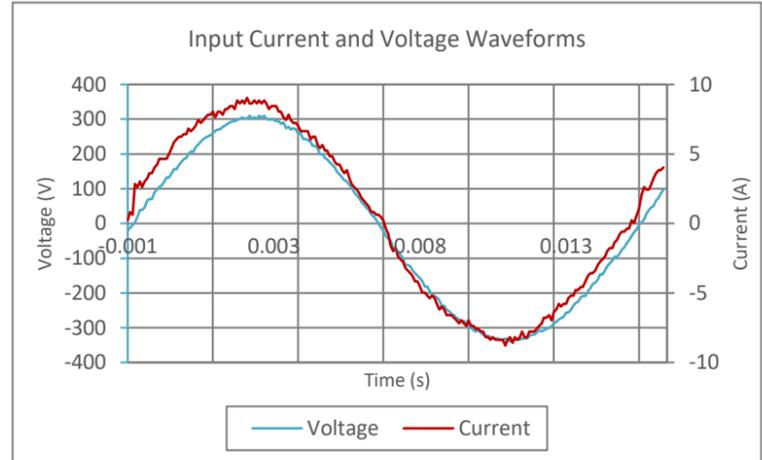
Rated Specifications	Value	Units
Input Voltage	**208-240**	Volts
Input Current	**15-12.5**	Amps
Input Frequency	**50-60**	Hz
Rated Output Power	**2,600**	Watts

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

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
							12V	12Vsb		
1.40	0.91	11.57%	10%	**Low**	294	1.20	12.25/21.27	12.24/0.44	266	**90.42%**
2.50	0.96	9.01%	20%	**Light**	555	1.20	12.24/42.56	12.23/0.89	532	**95.83%**
6.05	0.99	4.51%	50%	**Typical**	1381	4.08	12.24/106.37	12.21/2.22	1329	**96.22%**
12.30	1.00	3.80%	100%	**Full**	2818	30.96	12.25/212.71	12.2/4.42	2659	**94.37%**

* Fan power is not included in the efficiency calculations

Input and Output Power

Efficiency of the Power Supply

PLUG LOAD solutions
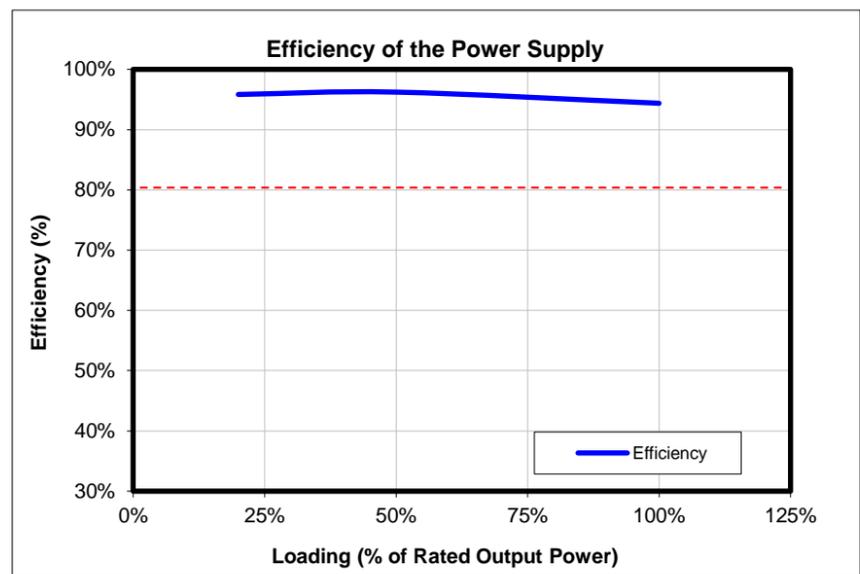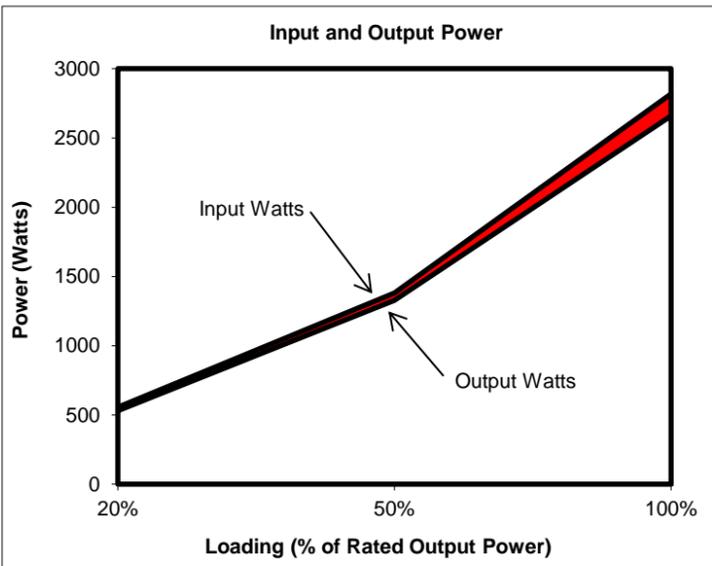
These tests were conducted by a third party independent testing firm on behalf of the 80 PLUS® Program. 80 PLUS is a certification program to promote highly-efficient power supplies (greater than 80% efficiency in the active mode) in technology applications. http://www.80plus.org/