

80 PLUS Verification and Testing Report

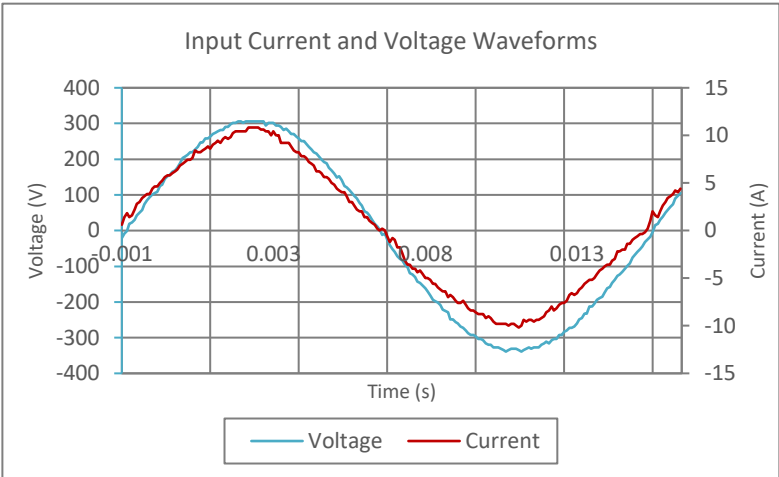
TYPICAL EFFICIENCY (50% Load):	96.27%
AVERAGE EFFICIENCY :	95.52%
80 PLUS COMPLIANT:	YES



ID Number	SO-1902.1
Manufacturer	Super Micro Computer Inc.
Model Number	PWS-3K03G-2R
Serial Number	N/A
Year	2021
Type	2U
Test Date	05/28/21

Rated Specifications	Value	Units
Input Voltage	200-207/207.1-240	Volts
Input Current	16-15.7/16-14.5	Amps
Input Frequency	50-60	Hz
Rated Output Power	3,000	Watts

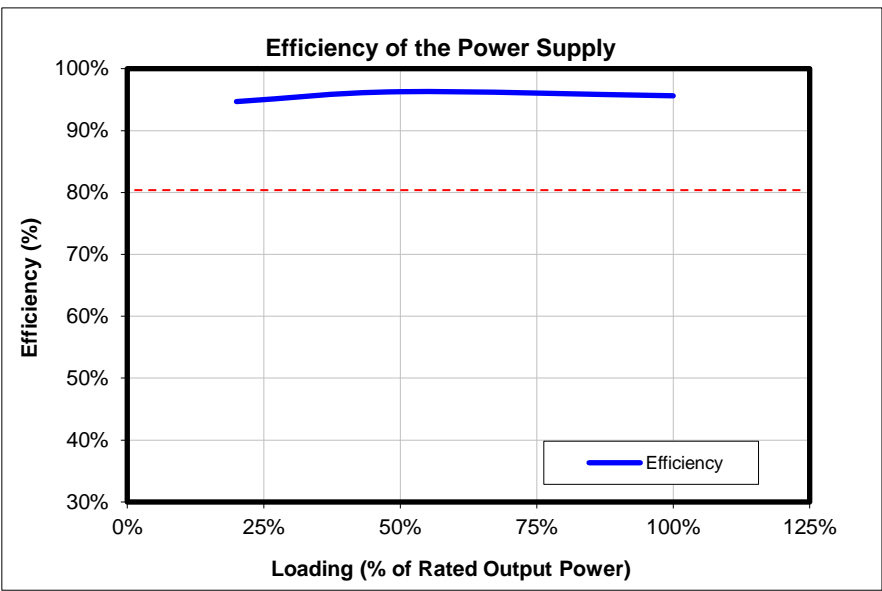
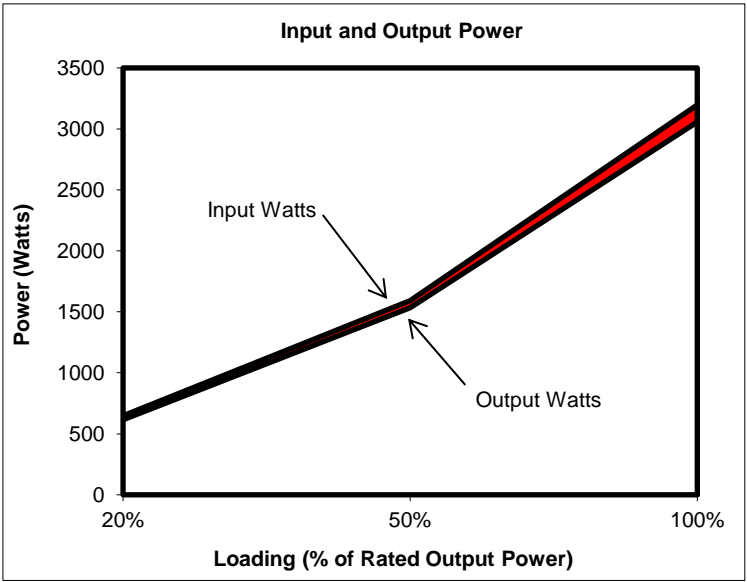
Note: All measurements were taken with input voltage at 230 V nominal and 60 Hz.



Input AC Current Waveform (ITHD = 4.73%, 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
							12V	54V	12Vsb		
1.55	0.95	14.71%	10%	Low	337	2.88	12.28/11.05	54.89/3.08	12.25/0.2	307	91.13%
2.88	0.98	11.95%	20%	Light	649	4.08	12.28/22.1	54.93/6.16	12.24/0.4	615	94.68%
6.96	0.99	4.73%	50%	Typical	1593	10.92	12.24/55.25	54.92/15.39	12.19/1	1534	96.27%
13.92	1.00	1.79%	100%	Full	3197	37.44	12.16/110.48	54.91/30.77	12.07/1.99	3057	95.62%

* 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/>