

80 PLUS Verification and Testing Report



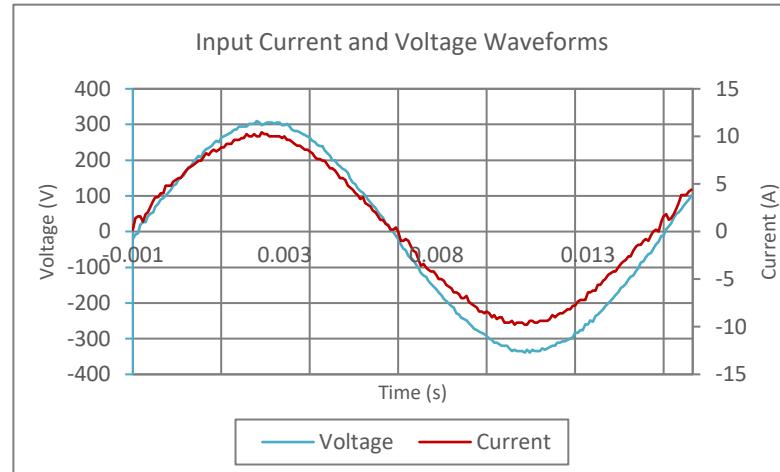
TYPICAL EFFICIENCY (50% Load):
AVERAGE EFFICIENCY :
80 PLUS COMPLIANT:

96.24%
95.40%
YES

ID Number	SO-1858.1
Manufacturer	Super Micro Computer Inc.
Model Number	PWS-3K02G-2R
Serial Number	N/A
Year	2021
Type	2U
Test Date	03/08/21

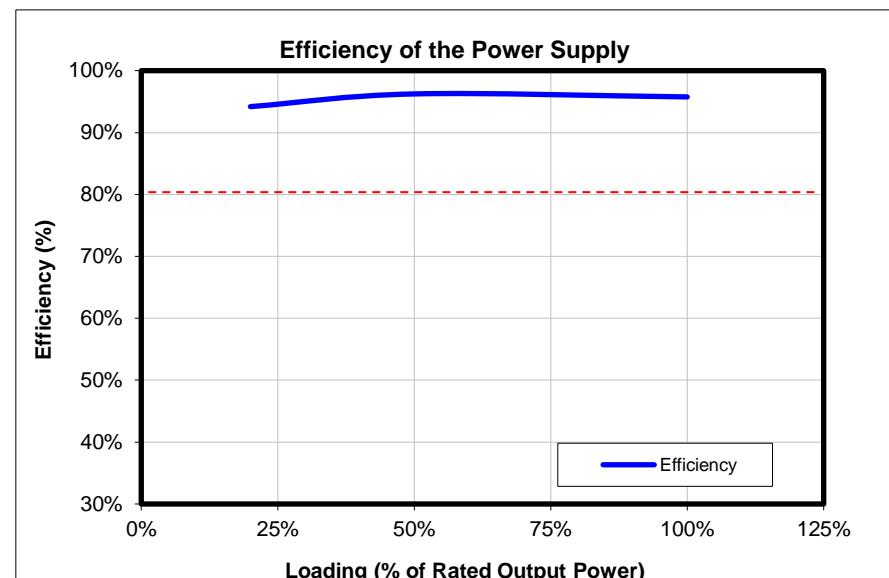
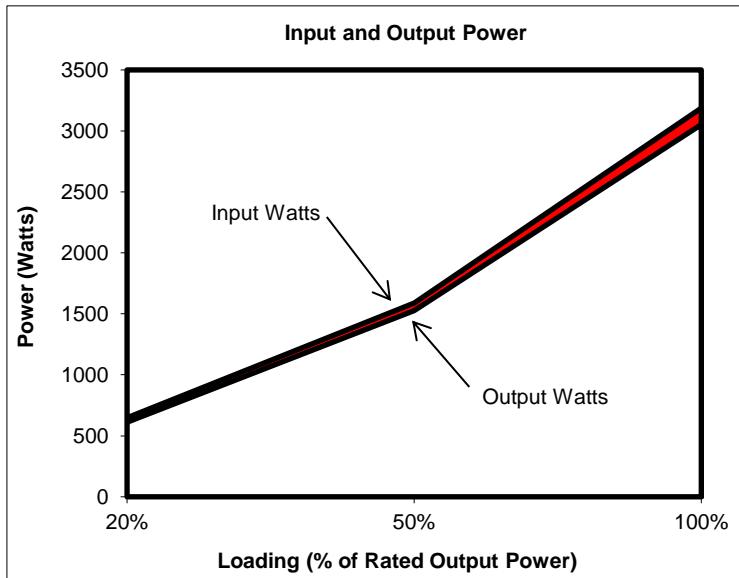
Rated Specifications		Value	Units
Input Voltage	200-207/207.1-240	Volts	
Input Current	16-15.7/16-14.5	Amps	
Input Frequency	50-60	Hz	
Rated Output Power	3,000	Watts	

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



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	0.94	11.01%	10%	Low	336	2.76	12.31/7.73	54.51/3.81	12.29/0.25	306	91.09%
2.88	0.98	9.08%	20%	Light	650	3.60	12.31/15.46	54.52/7.62	12.27/0.51	612	94.19%
6.94	1.00	2.93%	50%	Typical	1588	7.32	12.3/38.65	54.53/19.03	12.23/1.27	1528	96.24%
13.88	1.00	1.42%	100%	Full	3187	19.56	12.28/77.29	54.49/38.03	12.15/2.54	3052	95.76%

* 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/>