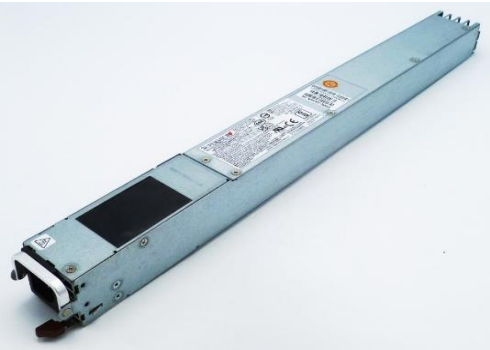


80 PLUS Verification and Testing Report

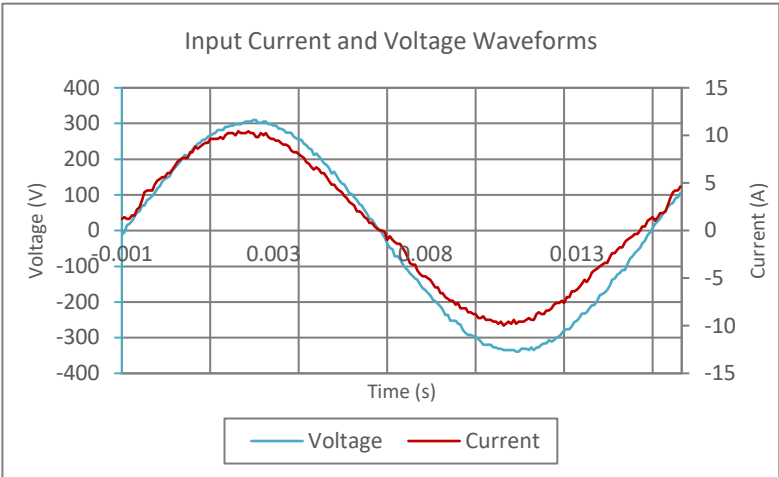
TYPICAL EFFICIENCY (50% Load):	96.27%
AVERAGE EFFICIENCY :	95.44%
80 PLUS COMPLIANT:	YES



ID Number	SO-1928.1
Manufacturer	Super Micro Computer Inc.
Model Number	PWS-3K04A-1R
Serial Number	N/A
Year	2021
Type	1U
Test Date	09/01/21

Rated Specifications	Value	Units
Input Voltage	100-127/200-207/208-240	Volts
Input Current	16-13/16-15.5/16-14	Amps
Input Frequency	50-60	Hz
Rated Output Power	3,000	Watts

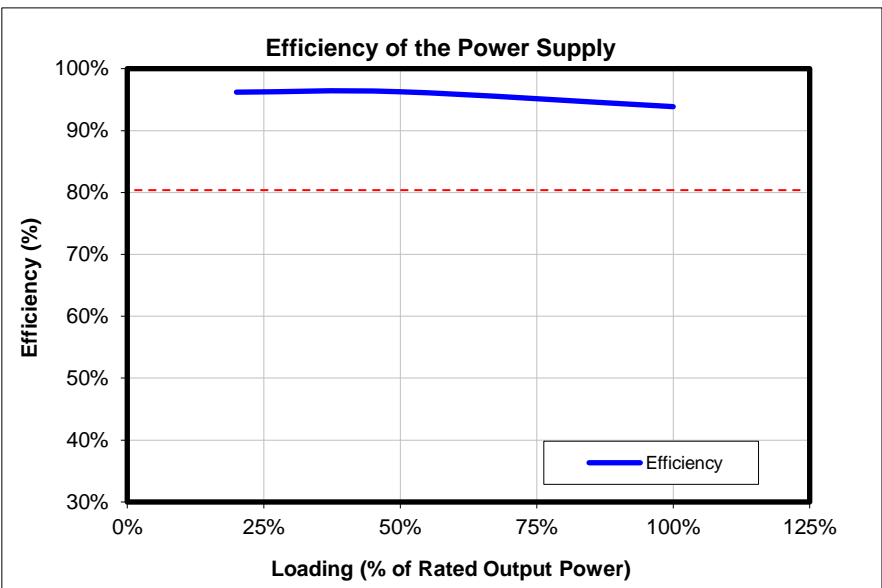
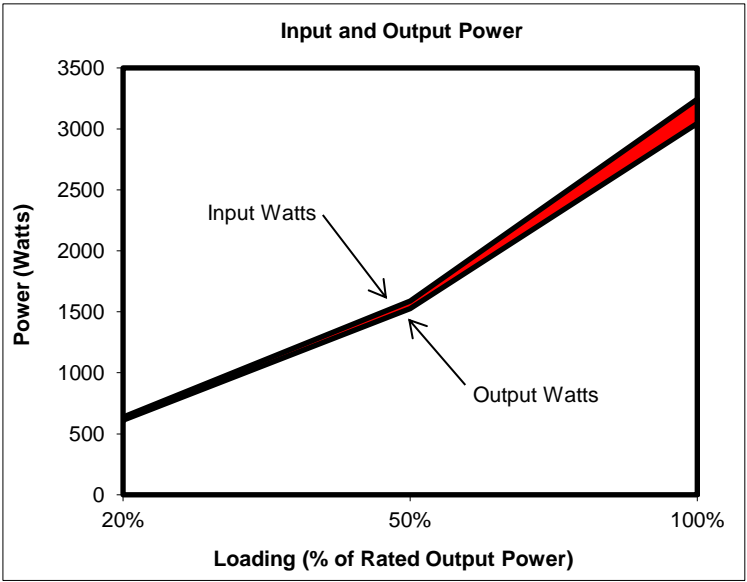
Note: All measurements were taken with input voltage at 230 V nominal and 60 Hz.



Input AC Current Waveform (ITHD = 4.23%, 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	12Vsb		
1.51	0.93	8.68%	10%	Low	325	1.08	12.23/24.62	12.22/0.44	306	94.37%
2.84	0.98	7.76%	20%	Light	637	1.20	12.22/49.23	12.21/0.89	612	96.20%
6.95	0.99	4.23%	50%	Typical	1588	3.12	12.2/123.07	12.19/2.22	1528	96.27%
14.14	1.00	2.71%	100%	Full	3244	23.40	12.15/246.09	12.14/4.43	3045	93.86%

* 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/>