

80 PLUS Verification and Testing Report

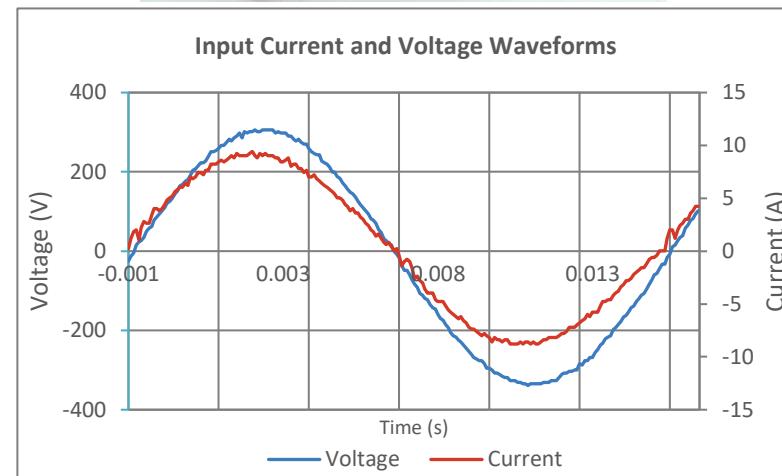
TYPICAL EFFICIENCY (50% Load):	96.17%
AVERAGE EFFICIENCY :	95.41%
80 PLUS COMPLIANT:	Titanium



ID Number	SO-2114.1
Manufacturer	Super Micro Computer Inc.
Model Number	PWS-2K70A-1R
Serial Number	N/A
Year	2022
Type	1U
Test Date	09/07/22

Rated Specifications		Value	Units
Input Voltage		200-240	Volts
Input Current		16-13.5	Amps
Input Frequency		50-60	Hz
Rated Output Power		2,700	Watts

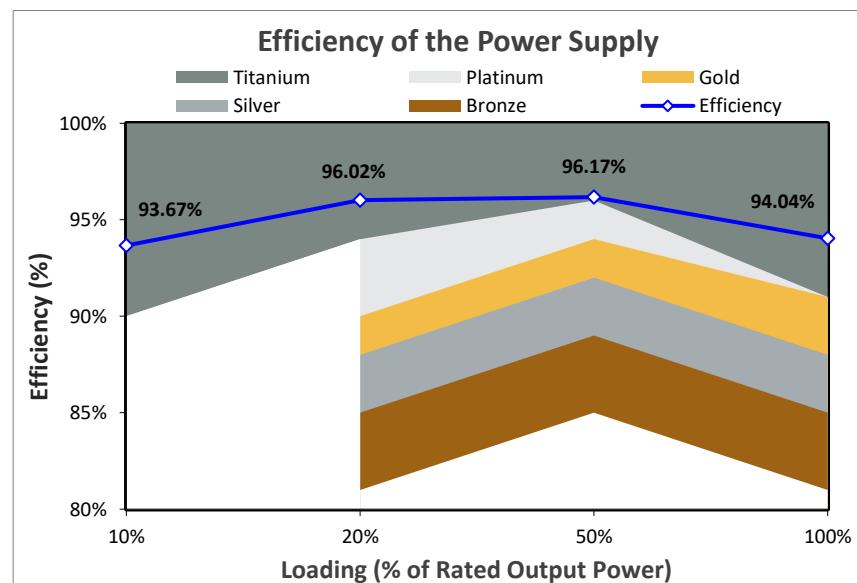
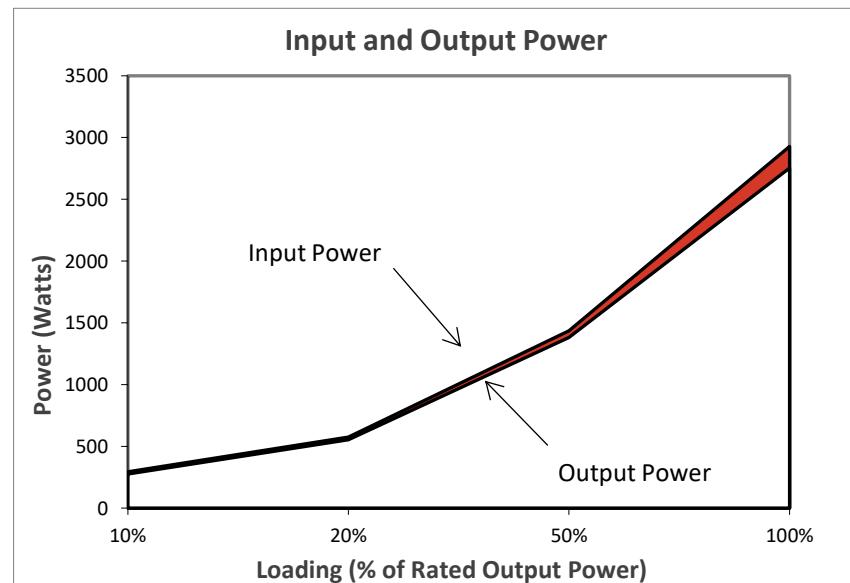
Note: All measurements were taken with input voltage at 230 V nominal and 60 Hz.



Input AC Current Waveform (ITHD = 2.723%, 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			
1.378	0.9328	9.42%	10%	Low	295.68	0.62	12.28/22.17		12.02/0.4	276.96	93.67%
2.564	0.9778	7.12%	20%	Light	576.53	0.62	12.27/44.35		11.99/0.79	553.61	96.02%
6.274	0.9956	2.72%	50%	Typical	1436.32	1.44	12.25/110.88		11.94/1.98	1381.36	96.17%
12.741	0.9993	2.15%	100%	Full	2927.95	17.45	12.21/221.72		11.87/3.95	2753.50	94.04%

* 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/>