

80 PLUS Verification and Testing Report

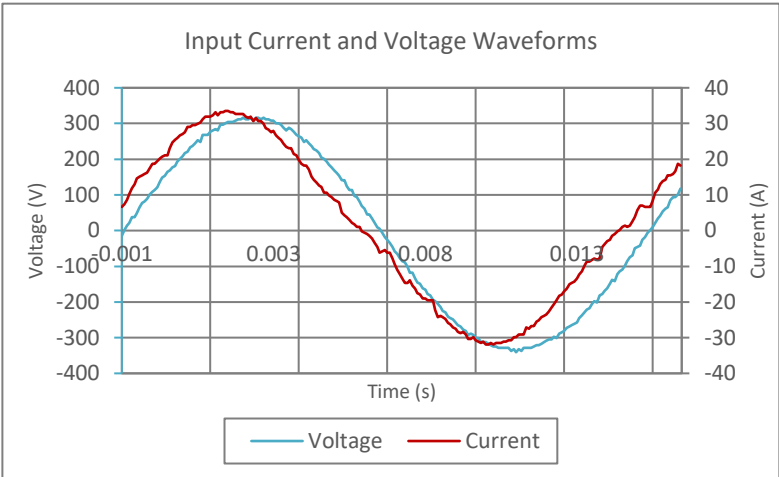
TYPICAL EFFICIENCY (50% Load):	94.24%
AVERAGE EFFICIENCY :	93.19%
80 PLUS COMPLIANT:	YES



ID Number	SO-1685.1
Manufacturer	Super Micro Computer, Inc
Model Number	PWS-920P-1R2
Serial Number	N/A
Year	2020
Type	1U
Test Date	04/08/20

Rated Specifications	Value	Units
Input Voltage	100-127 / 200-240	Volts
Input Current	11-8.5 / 5.5-4.5	Amps
Input Frequency	50-60	Hz
Rated Output Power	920	Watts

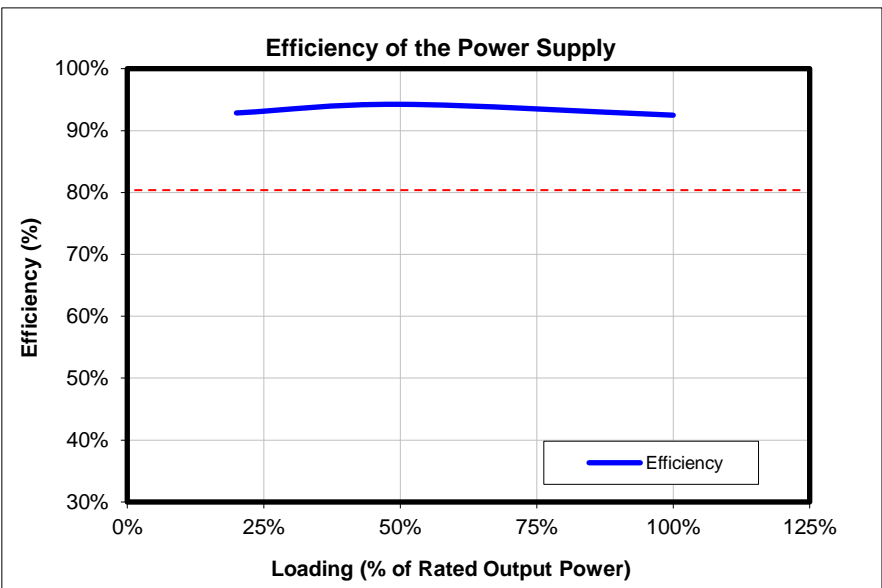
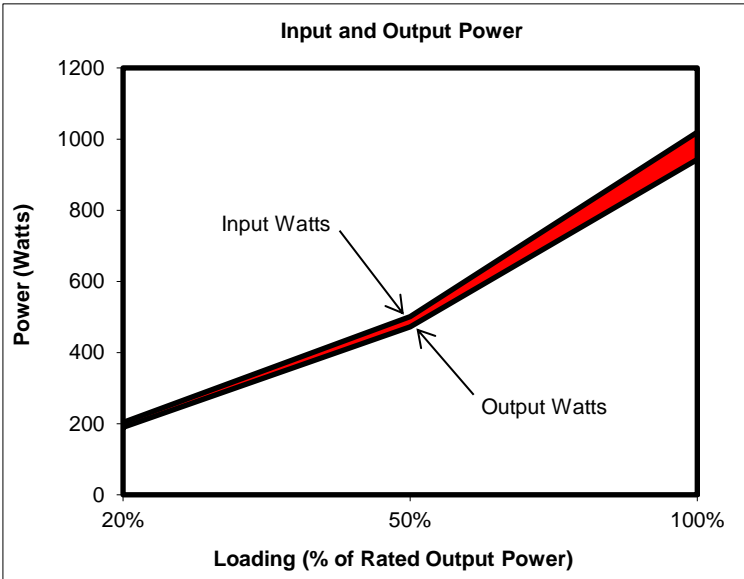
Note: All measurements were taken with input voltage at 230 V nominal and 60 Hz.



Input AC Current Waveform (ITHD = 7.1%, 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	5Vsb		
0.53	0.87	9.01%	10%	Low	106	1.32	12.35/7.51	5.21/0.4	95	89.62%
0.93	0.95	7.60%	20%	Light	204	1.44	12.3/15.04	5.2/0.8	189	92.84%
2.21	0.99	7.10%	50%	Typical	501	1.68	12.27/37.6	5.19/2.01	472	94.24%
4.46	0.99	4.46%	100%	Full	1019	8.04	12.26/75.18	5.16/4.02	943	92.48%

* 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/>

