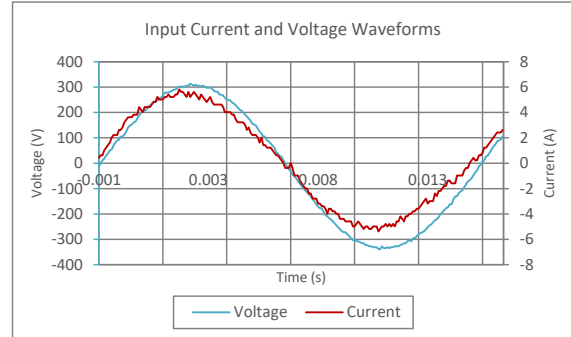


80 PLUS Verification and Testing Report



TYPICAL EFFICIENCY (50% Load):	96.15%
AVERAGE EFFICIENCY :	95.17%
80 PLUS COMPLIANT:	YES

ID Number	SO-1781.1
Manufacturer	Super Micro Computer, Inc
Model Number	PWS-1K63A-1R
Serial Number	N/A
Year	2020
Type	1U
Test Date	10/26/20



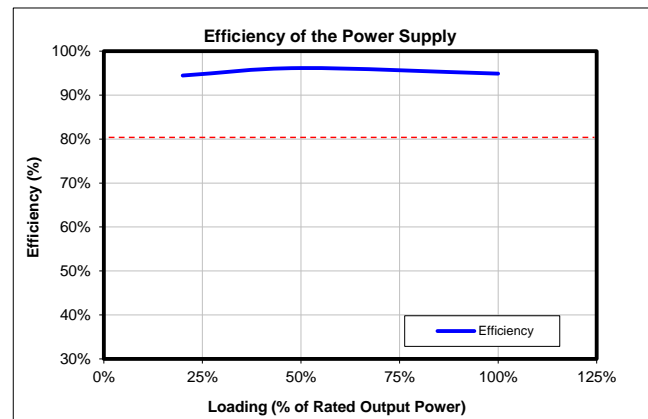
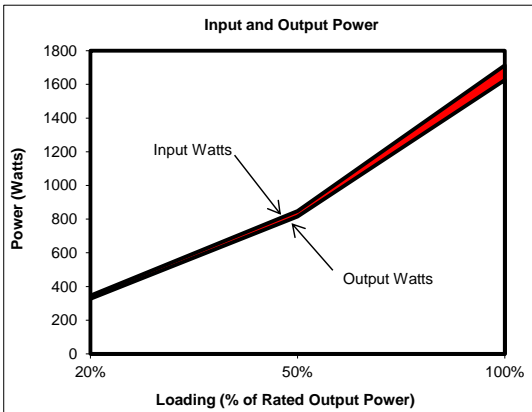
Rated Specifications	Value	Units
Input Voltage	100-127 / 200-240	Volts
Input Current	12-9 / 9-7.5	Amps
Input Frequency	50-60	Hz
Rated Output Power	1,600	Watts

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

Input AC Current Waveform (ITHD = 4.08%, 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		
0.85	0.91	9.56%	10%	Low	179	1.20	12.23/13.02	12/0.34	163	91.17%
1.55	0.97	7.27%	20%	Light	346	1.20	12.23/26.05	11.97/0.69	327	94.46%
3.72	0.99	4.08%	50%	Typical	848	0.00	12.2/65.11	11.92/1.72	815	96.15%
7.42	1.00	2.22%	100%	Full	1713	5.76	12.17/130.22	11.85/3.43	1626	94.89%

* 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/>

