

80 PLUS Verification and Testing Report

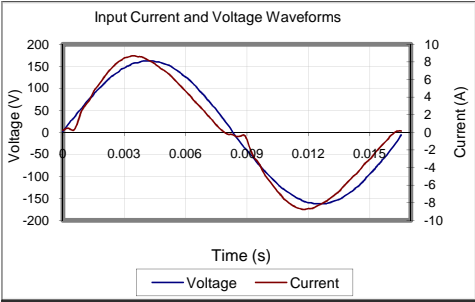
TYPICAL EFFICIENCY (50% Load):	90.55%
AVERAGE EFFICIENCY :	88.96%
80 PLUS COMPLIANT:	YES



Ecos ID #	1934
Manufacturer	SUPER MICRO COMPUTER INC.
Model Number	PWS-563-1H
Serial Number	N/A
Year	2010
Type	1U
Test Date	3/4/2010

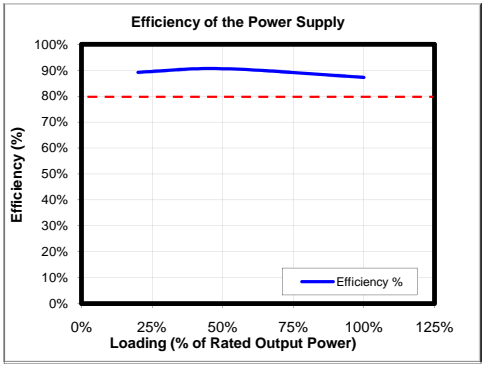
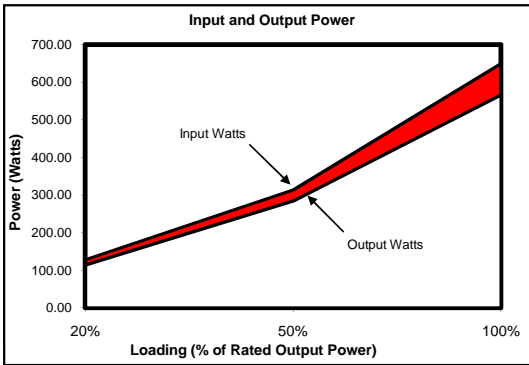
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	4.2-7.5	Amps
Input Frequency	50/60	Hz
Rated Output Power	560	Watts

Note: All measurements were taken with input voltage at 115 V nominal and 60 Hz.



Input AC Current Waveform (ITHD = 20.29%, 50% Load)

I _{RMS} A	PF	I _{THD} (%)	Load (%)	Fraction of Load	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A)				Output Watts	Efficiency %
						12V (cumulative of 12V1, 12V2, etc.)					
1.17	0.9533	30.44%	20%	Light	128.07	12.2/7.3				114.17	89.14%
2.82	0.9670	20.29%	50%	Typical	313.90	12.2/18.1				284.23	90.55%
5.76	0.9825	14.63%	100%	Full	650.00	12.1/36.2				566.82	87.20%



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/>

