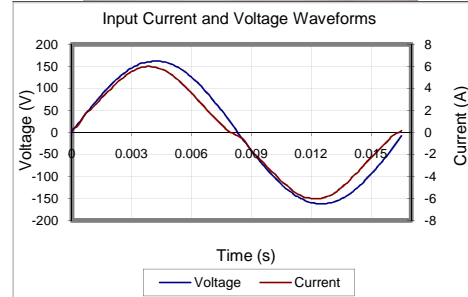


80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	85.83%
AVERAGE EFFICIENCY :	84.11%
80 PLUS COMPLIANT:	YES



Ecos ID #	1906
Manufacturer	SUPER MICRO COMPUTER INC.
Model Number	PWS-502-PQ
Serial Number	P502P0948AA0110
Year	2010
Type	ATX12V
Test Date	2/4/2010

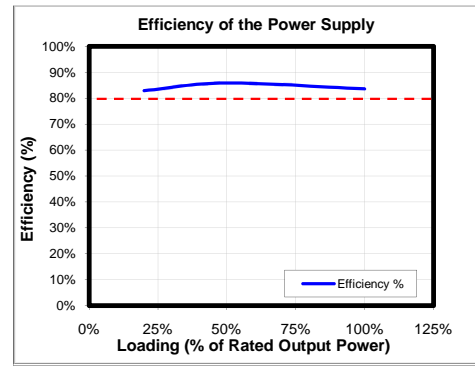
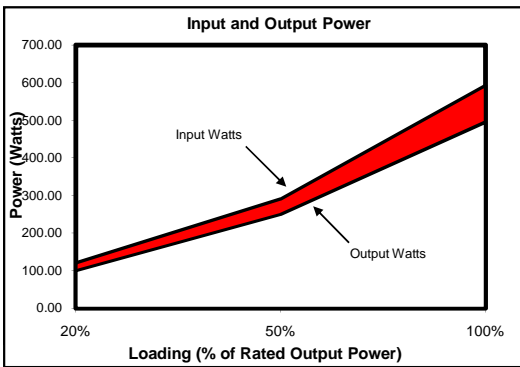


Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	7-3.5	Amps
Input Frequency	50-60	Hz
Rated Output Power	500	Watts

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

Input AC Current Waveform (ITHD = 10.08%, 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.)					
1.06	0.9853	10.00%	20%	Light	120.68	11.9/6.3				100.06	82.91%
2.57	0.9852	10.08%	50%	Typical	291.10	11.9/15.7				249.84	85.83%
5.19	0.9939	7.66%	100%	Full	593.00	11.8/31.4				495.68	83.59%



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/>

