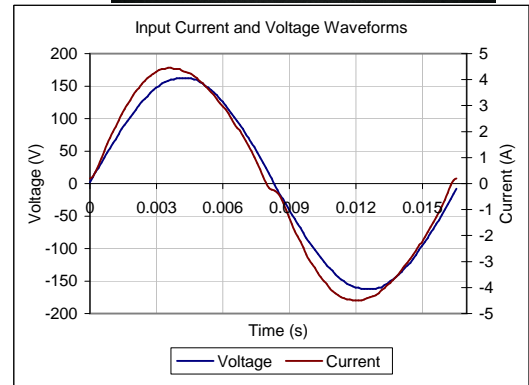


80 PLUS Verification and Testing Report



TYPICAL EFFICIENCY (50% Load):	86.31%
AVERAGE EFFICIENCY :	84.35%
80 PLUS COMPLIANT:	YES

Ecos ID #	1193
Manufacturer	SUPERMICRO
Model Number	PWS-303-PQ
Serial Number	N/A
Year	2008
Type	ATX12V
Test Date	1/2/2009

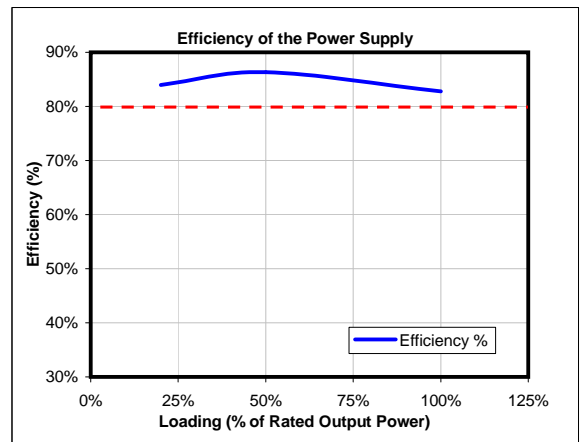
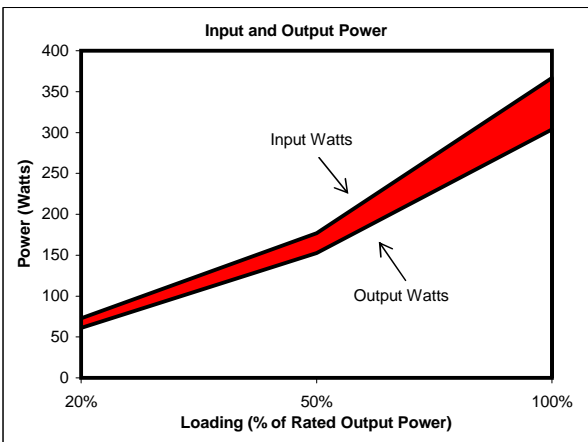


Input AC Current Waveform (ITHD = 7.62%, 50% Load)

Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	8/4	Amps
Input Frequency	50-60	Hz
Rated Output Power	300	Watts

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

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.)	-12V	3.3V	5V*	5VSB		
0.66	0.96	15.6%	20%	Light	73	12.2/3.2	11.7/0	3.4/2.2	5.2/2.6	5/0.3	61	83.95%
1.56	0.99	7.6%	50%	Typical	177	12.1/7.9	11.9/0	3.4/5.6	5.2/6.6	5/0.7	153	86.31%
3.20	1.00	4.4%	100%	Full	367	12.1/15.7	12/0.1	3.4/11.1	5.1/13.2	5/1.4	304	82.79%



These tests were conducted as a part of the 80 PLUS program. 80 PLUS is a computer buy-down program to promote high-efficiency power supplies (greater than 80% efficiency in the active mode) in desktop computers and desktop-derived servers.



Tested by Electric Power Research Institute, Knoxville, TN.