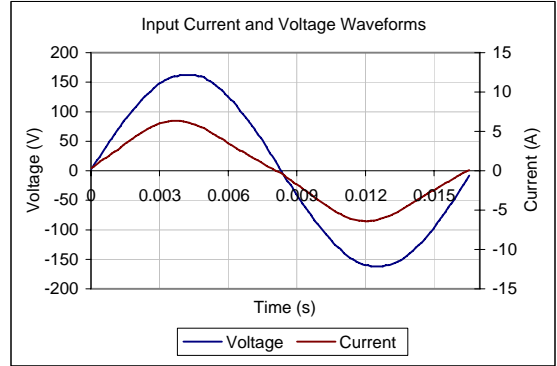


80 PLUS Verification and Testing Report



TYPICAL EFFICIENCY (50% Load):	84.61%
AVERAGE EFFICIENCY :	82.73%
80 PLUS COMPLIANT:	YES

Ecos ID #	557
Manufacturer	SUPERMICRO
Model Number	PWS-401-2H
Serial Number	NA
Year	2008
Type	CUSTOM
Test Date	2/22/2008

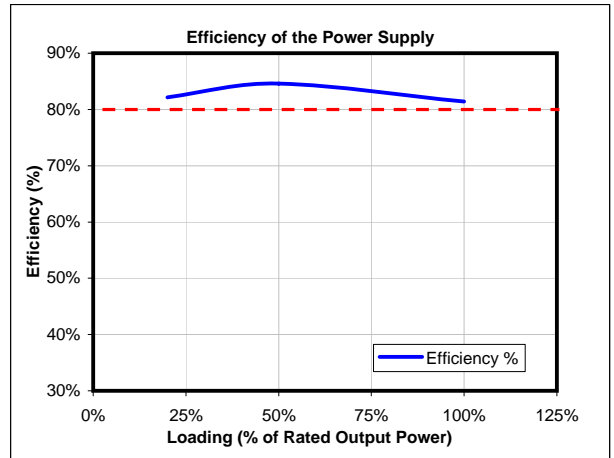
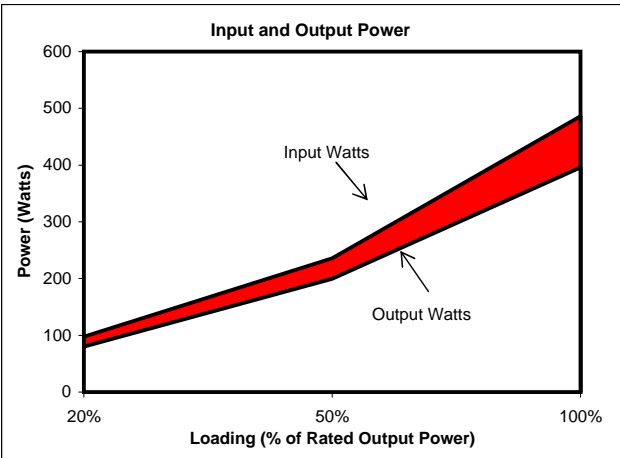


Input AC Current Waveform (ITHD = 10.75%, 50% Load)

Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	6	Amps
Input Frequency	50-60	Hz
Rated Output Power	400	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
0.87	0.97	10.1%	20%	Light	97	12/4	12/0.1	3.4/3.1	5/3.7	5.1/0.5	80	82.15%
2.09	0.98	10.8%	50%	Typical	236	12/10	12.1/0.2	3.3/7.8	4.9/9.3	5/1.2	199	84.61%
4.26	0.99	8.4%	100%	Full	486	11.9/20	12.1/0.3	3.3/15.5	4.9/18.7	4.9/2.5	396	81.43%



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.