

80 PLUS Verification and Testing Report

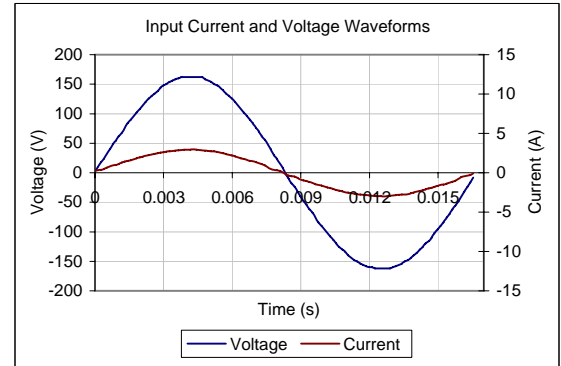


TYPICAL EFFICIENCY (50% Load):	84.12%
AVERAGE EFFICIENCY :	84.17%
80 PLUS COMPLIANT:	YES

Ecos ID #	712
Manufacturer	SUPERMICRO
Model Number	PWS-201-1H
Serial Number	NA
Year	2008
Type	EPS1U
Test Date	5/22/2008

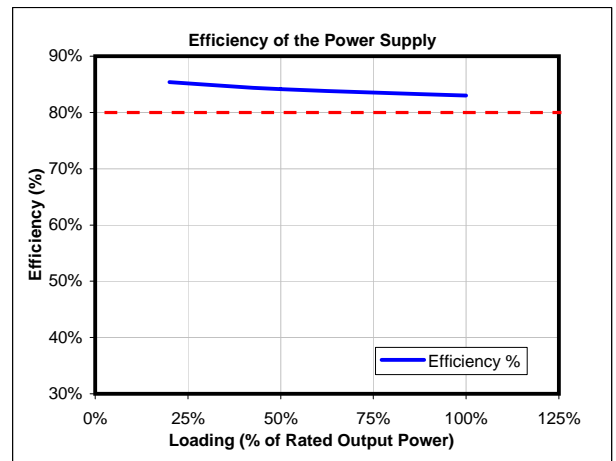
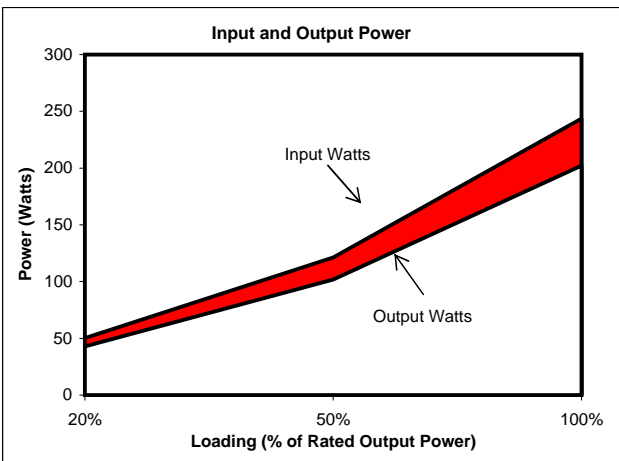
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	4	Amps
Input Frequency	50-60	Hz
Rated Output Power	200	Watts

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



Input AC Current Waveform (ITHD = 7.57%, 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.)	-12V	3.3V	5V*			5VSB
0.45	0.97	9.9%	20%	Light	50	12.4/2.3	12.1/0.1	3.3/1.4	5/1.4	5/0.4	43	85.42%
1.06	1.00	7.6%	50%	Typical	121	12.3/5.8	12.2/0.2	3.3/2.9	5/2.9	4.9/0.9	102	84.12%
2.12	1.00	1.5%	100%	Full	243	12.2/11.5	12.2/0.5	3.3/5.7	4.9/5.7	4.9/1.9	202	82.98%



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.

