

80 PLUS Verification and Testing Report

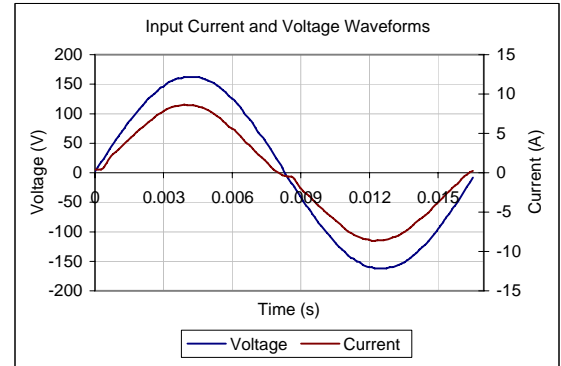


TYPICAL EFFICIENCY (50% Load):	84.63%
AVERAGE EFFICIENCY :	82.20%
80 PLUS COMPLIANT:	YES

Ecos ID #	668
Manufacturer	SUPERMICRO
Model Number	PWS-561-1H
Serial Number	NA
Year	2008
Type	EPS1U
Test Date	5/14/2008

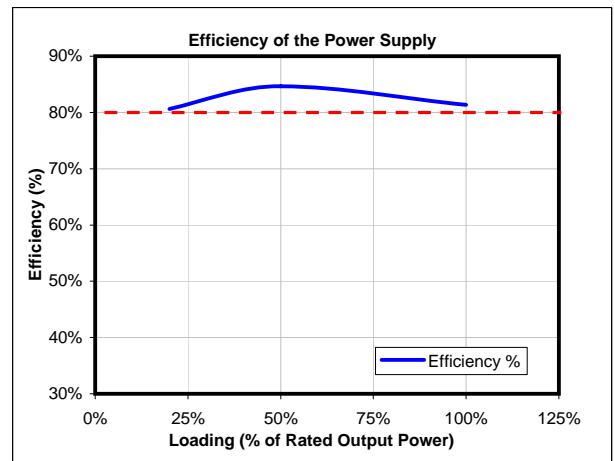
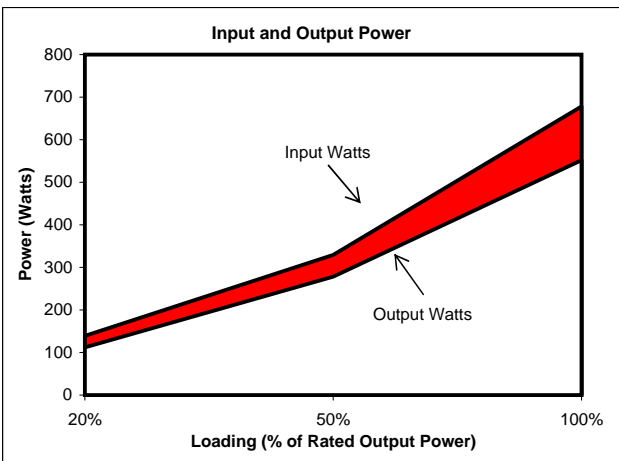
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	8.5	Amps
Input Frequency	50-60	Hz
Rated Output Power	560	Watts

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



Input AC Current Waveform (ITHD = 12.06%, 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
1.24	0.97	19.9%	20%	Light	139	12/6.7	12/0.1	3.3/3	5.1/3.6	5/0.6	112	80.61%
2.89	0.99	12.1%	50%	Typical	329	12/16.6	12.1/0.3	3.3/7.5	5/8.9	4.9/1.5	279	84.63%
5.92	1.00	7.7%	100%	Full	678	11.9/33.2	12.1/0.6	3.2/15	4.8/17.9	4.8/3	552	81.35%



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.