

# 80 PLUS Verification and Testing Report

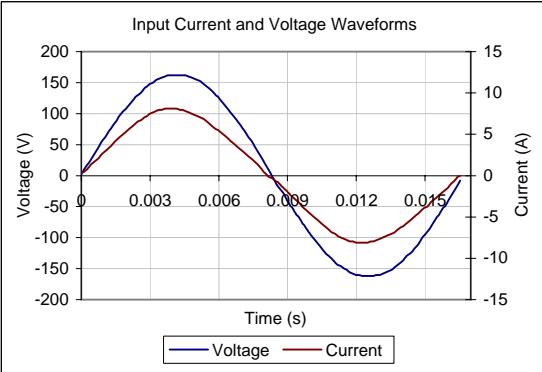
**TYPICAL EFFICIENCY (50% Load):** 88.30%  
**AVERAGE EFFICIENCY :** 86.32%  
**80 PLUS COMPLIANT:** YES



Ecos ID #	847
Manufacturer	SUPERMICRO
Model Number	PWS-562-1H
Serial Number	NA
Year	2008
Type	EPS1U
Test Date	7/31/2008

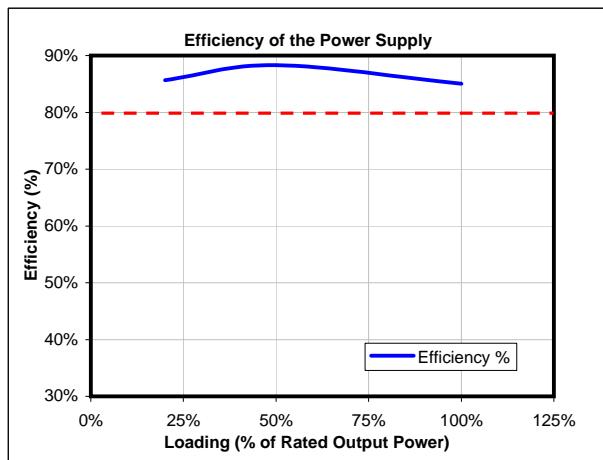
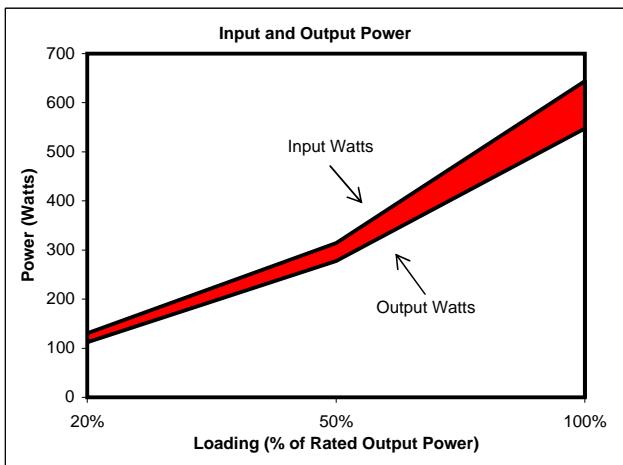
Rated Specifications		Value	Units
Input Voltage		100-240	Volts
Input Current		6.5	Amps
Input Frequency		50-60	Hz
Rated Output Power		560	Watts

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



Input AC Current Waveform (ITHD = 2.64%, 50% Load)

I <sub>RMS</sub> A	PF	I <sub>THD</sub> (%)	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		
1.14	0.99	2.1%	20%	Light	131	11.9/7.5	12/0.1	3.4/2.4	5.1/2.4	5.1/0.3	112	85.65%
2.74	1.00	2.6%	50%	Typical	314	11.8/18.7	12.1/0.2	3.3/6	5.1/6	5.1/0.8	277	88.30%
5.61	1.00	4.8%	100%	Full	644	11.7/37.3	12.2/0.4	3.2/12	5/12	5/1.6	547	85.02%



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.

