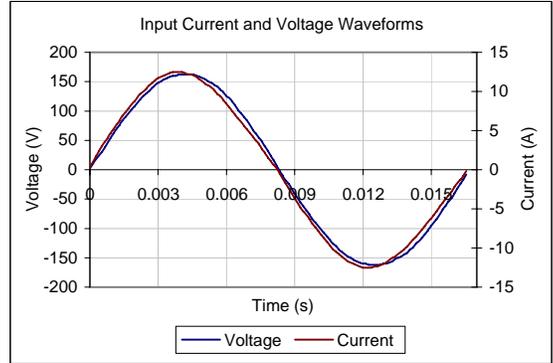


80 PLUS Verification and Testing Report



TYPICAL EFFICIENCY (50% Load):	85.44%
AVERAGE EFFICIENCY :	83.09%
80 PLUS COMPLIANT:	YES

Ecos ID #	558
Manufacturer	SUPERMICRO
Model Number	PWS-865-PQ
Serial Number	NA
Year	2008
Type	CUSTOM
Test Date	2/22/2008

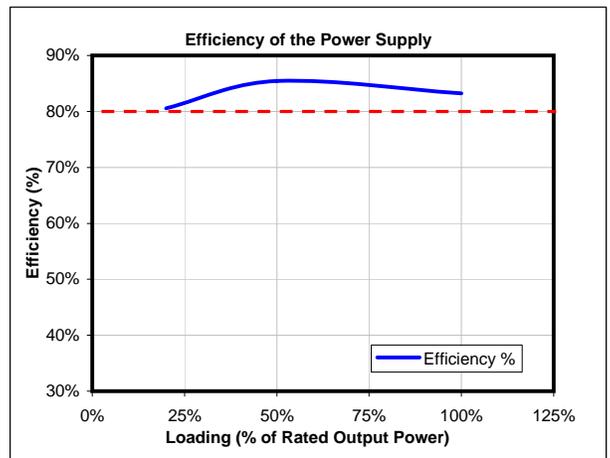
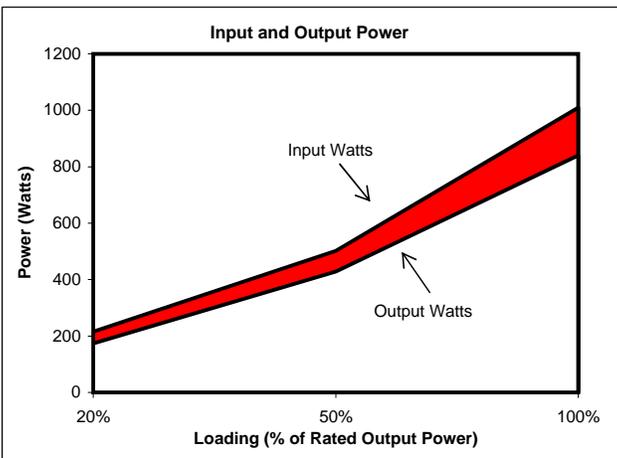


Input AC Current Waveform (ITHD = 3.65%, 50% Load)

Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	12	Amps
Input Frequency	50-60	Hz
Rated Output Power	865	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		
1.91	0.98	5.9%	20%	Light	215	12/10.7	12/0.1	3.3/4.6	5/4.6	5/1	173	80.57%
4.38	0.99	3.7%	50%	Typical	502	11.9/26.5	12/0.5	3.2/11.3	5/11.3	4.9/3.2	428	85.44%
8.79	1.00	3.0%	100%	Full	1009	11.7/53	12.1/1	3.1/22.4	4.9/22.6	4.7/6.3	840	83.25%



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.