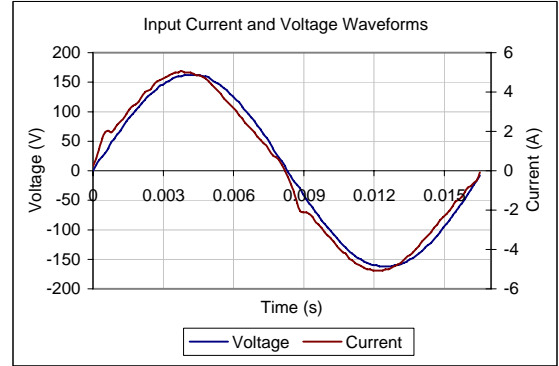


# 80 PLUS Verification and Testing Report



<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>89.07%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>87.82%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>

<b>Ecos ID #</b>	1082
<b>Manufacturer</b>	SUPERMICRO
<b>Model Number</b>	PWS-361-1H
<b>Serial Number</b>	S1T0840000146
<b>Year</b>	2008
<b>Type</b>	EPS1U
<b>Test Date</b>	10/23/2008

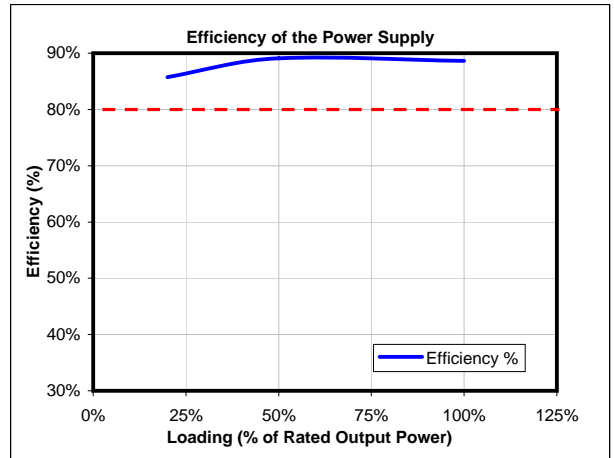
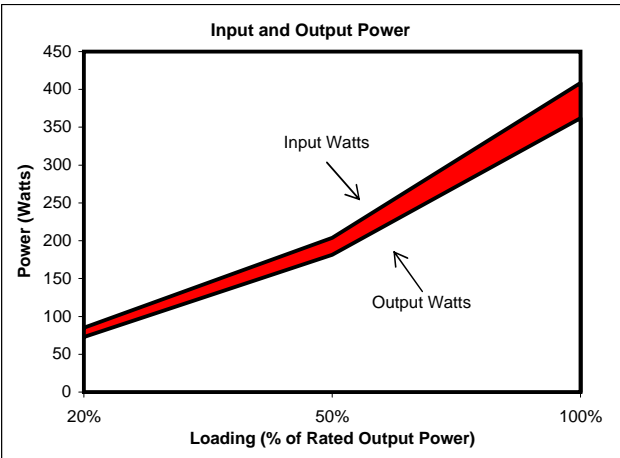


Input AC Current Waveform (ITHD = 5.18%, 50% Load)

Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	4.8-2.7	Amps
Input Frequency	50-60	Hz
<b>Rated Output Power</b>	<b>360</b>	<b>Watts</b>

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

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		
0.76	0.97	8.8%	20%	Light	85	12.1/4.2	11.8/0.1	3.3/2.1	5.1/2.1	5.1/0.6	73	85.75%
1.79	0.99	5.2%	50%	Typical	204	12.1/10.6	11.8/0.2	3.3/5.3	5.1/5.3	5/1.5	182	89.07%
3.57	0.99	5.3%	100%	Full	409	12.1/21.1	11.9/0.4	3.3/10.5	5.1/10.5	5/2.9	362	88.63%



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.