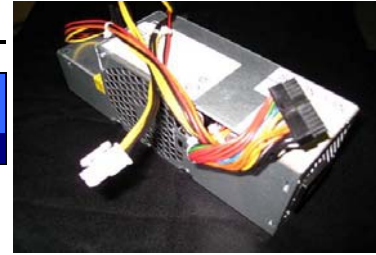
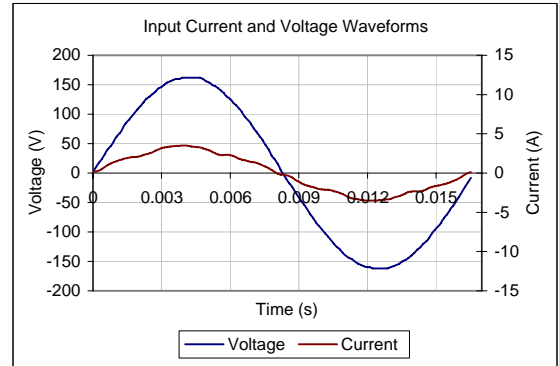


# 80 PLUS Verification and Testing Report



<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>88.09%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>86.55%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>

<b>Ecos ID #</b>	694.2
<b>Manufacturer</b>	Dell
<b>Model Number</b>	H235E-00
<b>Serial Number</b>	NA
<b>Year</b>	2008
<b>Type</b>	CUSTOM
<b>Test Date</b>	5/22/2008

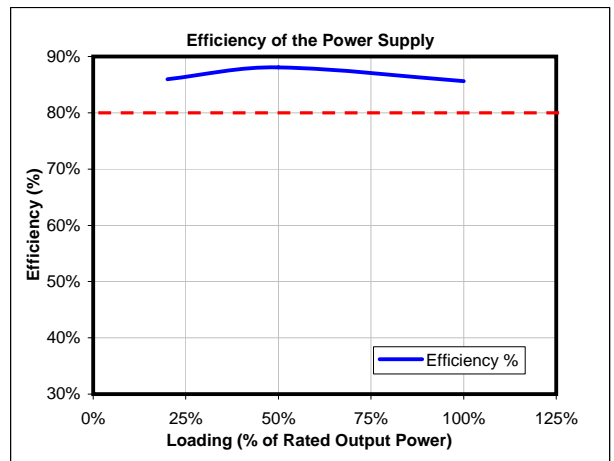
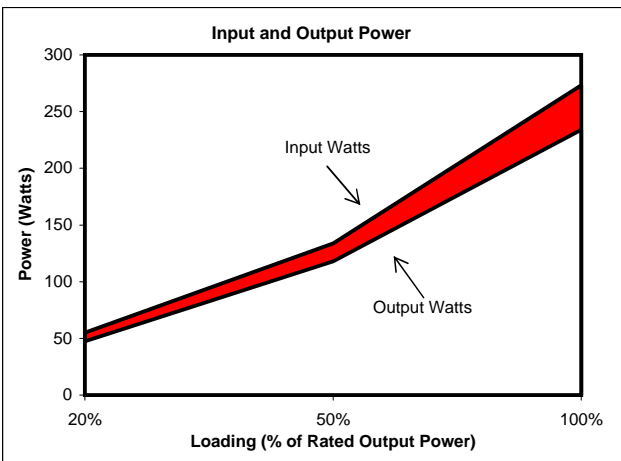


Input AC Current Waveform (ITHD = 5.42%, 50% Load)

Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	4	Amps
Input Frequency	50-60	Hz
<b>Rated Output Power</b>	<b>235</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
0.79	0.62	37.1%	20%	Light	55	12.1/2.5	11.9/0.1	3.3/0.7	5/2.2	5/0.6	47	85.95%
1.17	0.99	5.4%	50%	Typical	134	12.1/6.3	11.9/0.2	3.3/1.7	5/5.4	5/1.5	118	88.09%
2.38	1.00	6.8%	100%	Full	273	12/12.6	11.9/0.4	3.2/3.4	4.9/10.8	4.9/3	234	85.60%



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.