

# 80 PLUS Verification and Testing Report

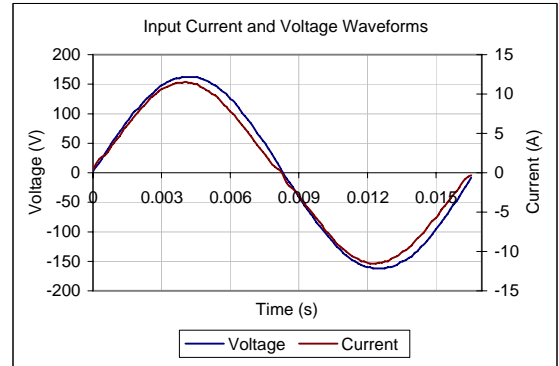


<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>83.88%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>81.63%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>

<b>Ecos ID #</b>	536
<b>Manufacturer</b>	Alienware Corporation
<b>Model Number</b>	NPS-750AB-1 B
<b>Serial Number</b>	0750W08200619
<b>Year</b>	2008
<b>Type</b>	ATX12V
<b>Test Date</b>	2/14/2008

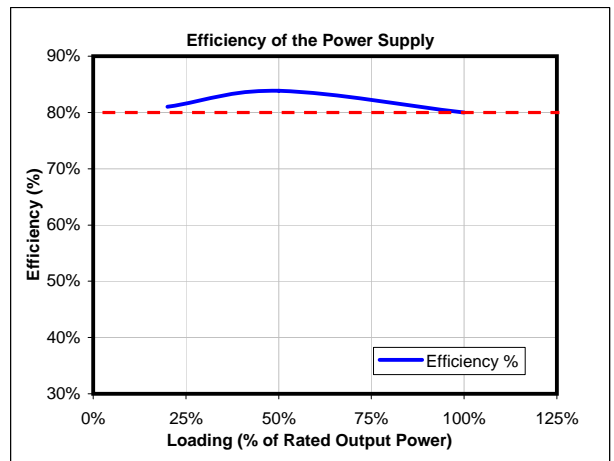
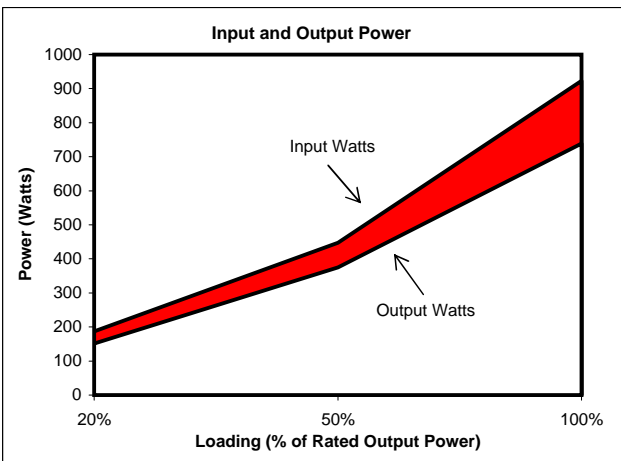
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10	Amps
Input Frequency	50-60	Hz
<b>Rated Output Power</b>	<b>750</b>	<b>Watts</b>

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



Input AC Current Waveform (ITHD = 4.45%, 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
1.66	0.98	7.8%	20%	Light	187	12.1/10.1	12.1/0	3.3/4.3	5.1/2.3	5/0.5	151	80.99%
3.91	1.00	4.5%	50%	Typical	447	12/25.3	12.1/0.1	3.2/10.8	5/5.8	4.9/1.3	375	83.88%
8.05	1.00	3.9%	100%	Full	923	11.9/50.6	12.2/0.2	3.1/21.6	4.9/11.6	4.7/2.7	739	80.02%



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.