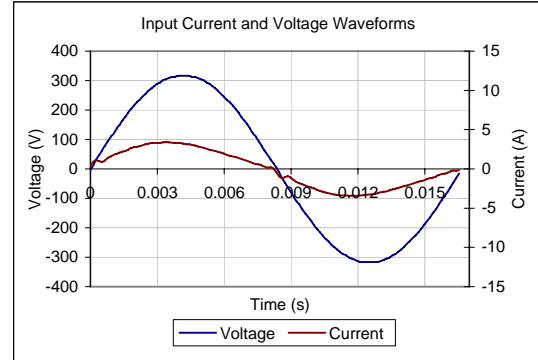


# 80 PLUS Verification and Testing Report

<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>92.14%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>90.67%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>



<b>Ecos ID #</b>	SO-30
<b>Manufacturer</b>	DELL
<b>Model Number</b>	A502P-00
<b>Serial Number</b>	N/A
<b>Year</b>	2008
<b>Type</b>	CUSTOM
<b>Test Date</b>	10/21/2008



Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	7.0-3.5	Amps
Input Frequency	50-60	Hz
<b>Rated Output Power</b>	<b>502</b>	<b>Watts</b>

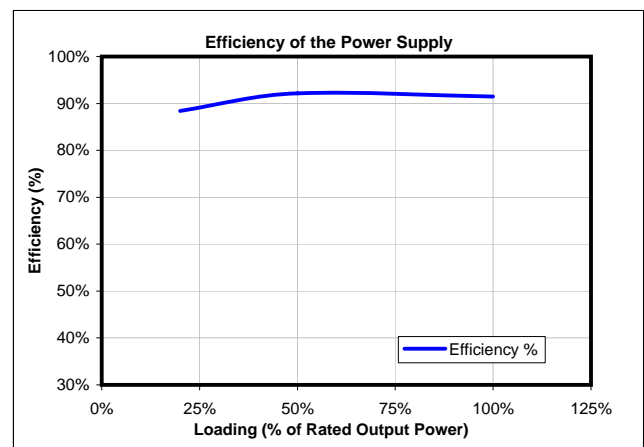
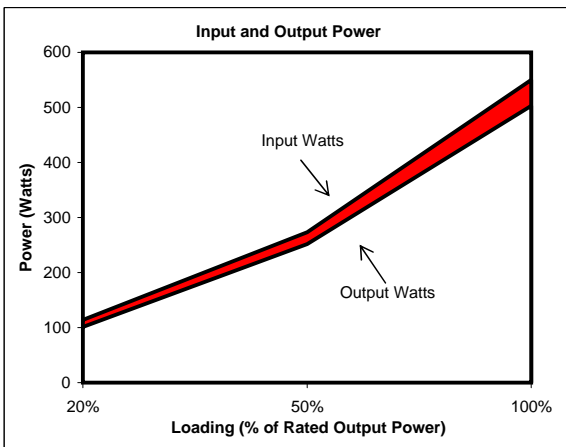
Note: All measurements were taken with input voltage at 230 V nominal and 60 Hz.

Input AC Current Waveform (ITHD = 7.57%, 100% Load)

I <sub>RMS</sub> A	PF	I <sub>THD</sub> (%)	Load (%)	Fraction of Load	Input Watts	External Fan (W)**	DC Terminal Voltage (V)/ DC Load Current (A)		Output Watts	Efficiency %
							12V	12VSB		
0.43	0.62	60.50	*10%	Low	62	9.68	12.09/3.91	11.44/0.29	51	81.59%
0.60	0.83	22.30	20%	Light	114	9.68	12.08/7.8	11.38/0.58	101	88.42%
1.26	0.94	11.68	50%	Typical	273	9.68	12.07/19.51	11.27/1.46	252	92.14%
2.43	0.98	7.57	100%	Full	550	9.68	12.06/39	11.13/2.92	503	91.46%

\* 10% load results are for informative purposes only and not included in certification requirements.

\*\* Fan power is not included in the efficiency calculations



These tests were conducted by a third party independent testing firm on behalf of the 80 PLUS® Program. 80 PLUS is a certification program to promote highly-efficient power supplies (greater than 80% efficiency in the active mode) in technology applications. <http://www.80plus.org/>

