

# 80 PLUS Verification and Testing Report

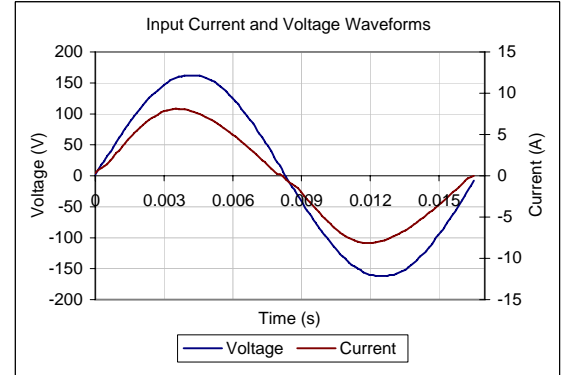


<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>83.81%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>82.00%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>

<b>Ecos ID #</b>	273
<b>Manufacturer</b>	DELL
<b>Model Number</b>	YY922
<b>Serial Number</b>	NA
<b>Year</b>	2007
<b>Type</b>	Custom
<b>Test Date</b>	6/26/2007

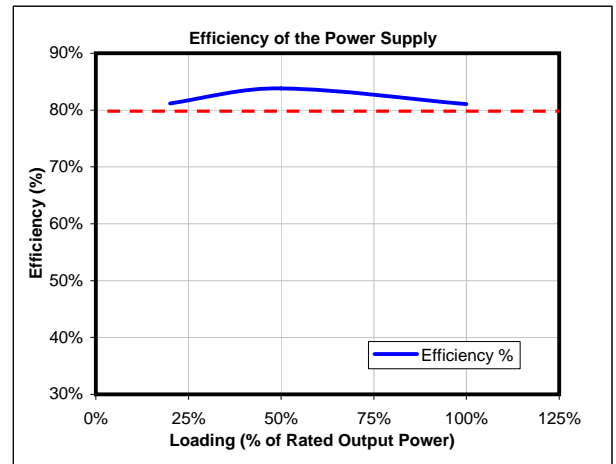
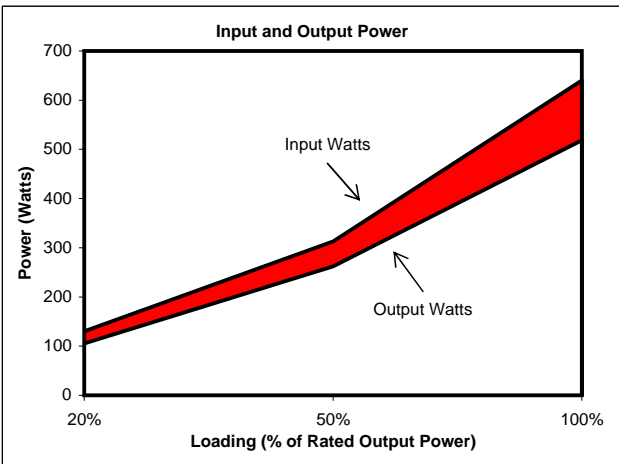
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	8.2	Amps
Input Frequency	50-60	Hz
<b>Rated Output Power</b>	<b>525</b>	<b>Watts</b>

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



Input AC Current Waveform (ITHD = 6.55%, 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		
1.15	0.98	11.0%	20%	Light	130	12/6.4	12.2/0.1	3.3/2.4	5.1/3	5.1/0.6	105	81.16%
2.74	0.99	6.6%	50%	Typical	313	11.9/16.1	12.3/0.4	3.3/5.9	5.1/7.6	5/1.5	262	83.81%
5.60	0.99	6.6%	100%	Full	640	11.8/32.1	12.3/0.8	3.2/11.8	5/15.3	4.9/3.1	519	81.04%



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.

