

# 80 PLUS Verification and Testing Report

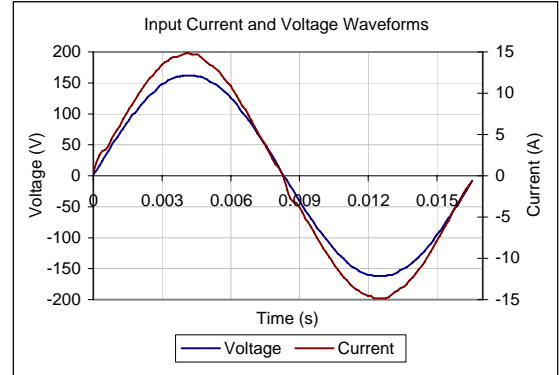


<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>84.19%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>82.28%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>

<b>Ecos ID #</b>	293
<b>Manufacturer</b>	DELL
<b>Model Number</b>	JW124
<b>Serial Number</b>	NA
<b>Year</b>	2007
<b>Type</b>	Custom
<b>Test Date</b>	7/5/2007

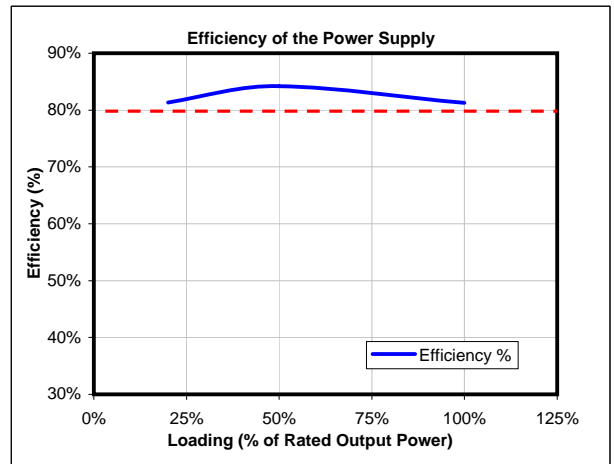
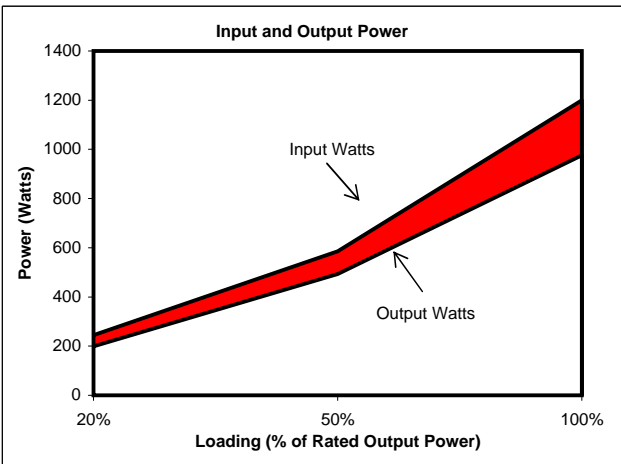
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	14	Amps
Input Frequency	50-60	Hz
<b>Rated Output Power</b>	<b>1000</b>	<b>Watts</b>

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



Input AC Current Waveform (ITHD = 3.82%, 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		
2.14	0.99	5.0%	20%	Light	244	11.9/14.2	12/0	3.3/4.5	5.1/2.4	5/0.5	199	81.36%
5.10	1.00	3.8%	50%	Typical	586	11.8/35.5	12/0.1	3.3/11.2	5/6	4.9/1.3	493	84.19%
10.44	1.00	2.8%	100%	Full	1200	11.7/71	12/0.2	3.2/22.3	5/12	4.8/2.7	976	81.30%



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.

