

80 PLUS Verification and Testing Report

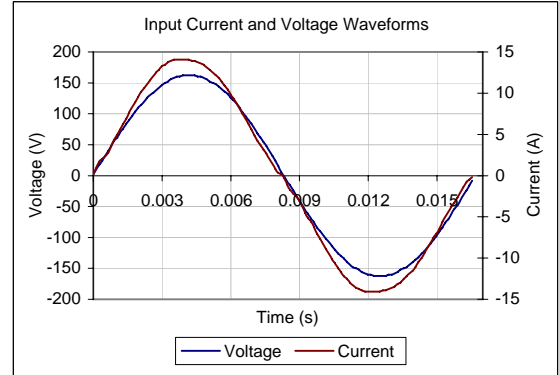


TYPICAL EFFICIENCY (50% Load):	84.31%
AVERAGE EFFICIENCY :	82.59%
80 PLUS COMPLIANT:	YES

Ecos ID #	313
Manufacturer	DELL
Model Number	JW123
Serial Number	NA
Year	2007
Type	CUSTOM
Test Date	7/16/2007

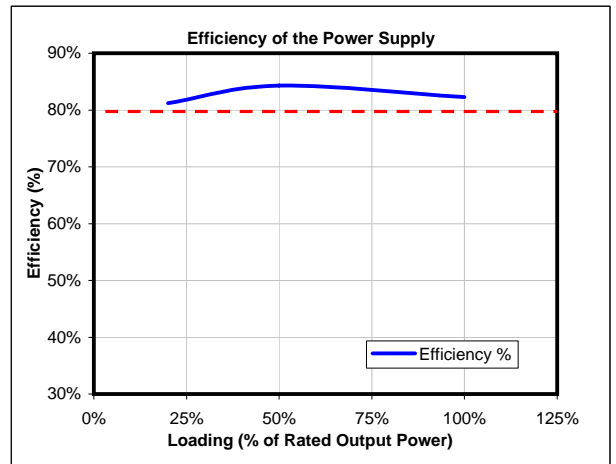
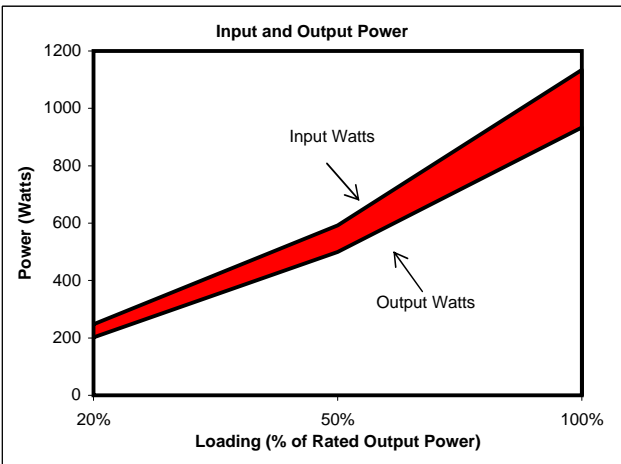
Rated Specifications	Value	Units
Input Voltage	100-120	Volts
Input Current	14	Amps
Input Frequency	50-60	Hz
Rated Output Power	1000	Watts

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



Input AC Current Waveform (ITHD = 6%, 50% Load)

I _{RMS} A	PF	I _{THD} (%)	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		
2.18	0.99	6.1%	20%	Light	248	12.1/14.2	12/0	3.3/4.5	5/2.4	5.1/0.5	201	81.19%
5.17	1.00	6.0%	50%	Typical	593	12/35.5	12/0.1	3.2/11.2	5/6	5/1.3	500	84.31%
NA	1.00	5.6%	100%	Full	1134	11.6/71	12/0.2	3.2/11.2	4.8/12	4.9/2.7	933	82.26%



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.

