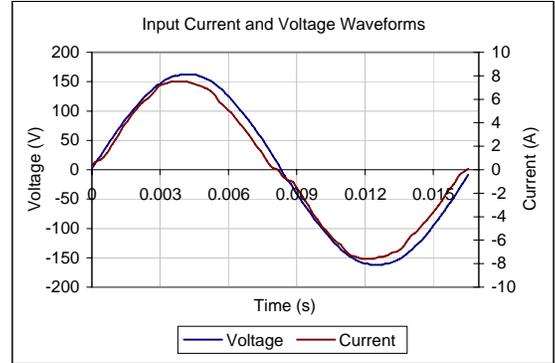


80 PLUS Verification and Testing Report



TYPICAL EFFICIENCY (50% Load):	88.87%
AVERAGE EFFICIENCY :	86.81%
80 PLUS COMPLIANT:	YES

Ecos ID #	1067
Manufacturer	DELL
Model Number	N525EF-00
Serial Number	NA
Year	2008
Type	CUSTOM
Test Date	10/21/2008

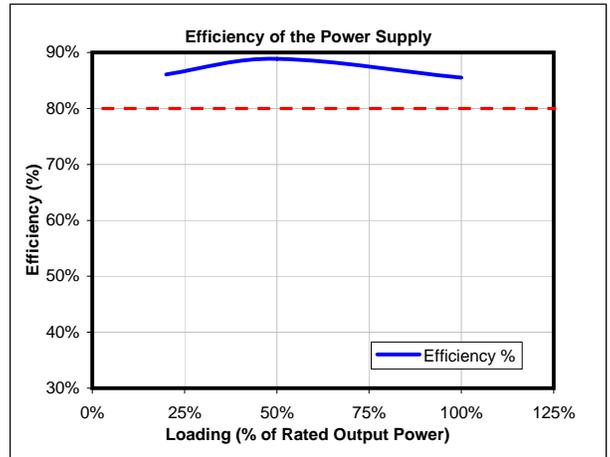
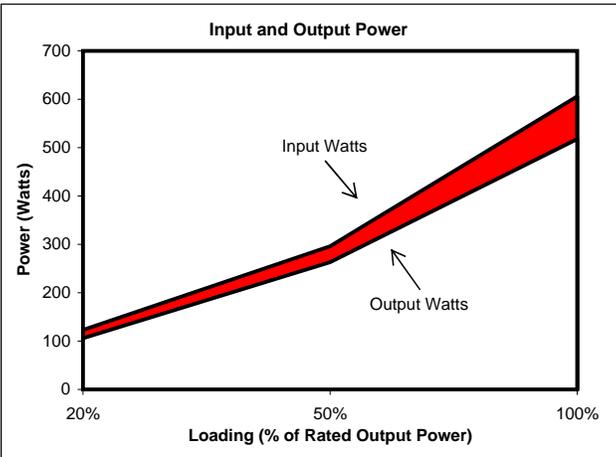


Input AC Current Waveform (ITHD = 7.45%, 50% Load)

Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	7.9	Amps
Input Frequency	50-60	Hz
Rated Output Power	525	Watts

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

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
1.09	0.98	11.8%	20%	Light	123	12.1/6.5	12.3/0.1	3.3/2.8	4.9/2.8	5.1/0.6	106	86.06%
2.59	0.99	7.5%	50%	Typical	296	12/16.2	12.3/0.2	3.3/7	4.9/7	5/1.6	263	88.87%
5.28	1.00	7.0%	100%	Full	606	11.9/32.4	12.3/0.4	3.3/14	4.8/14	4.9/3.1	518	85.50%



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/>

