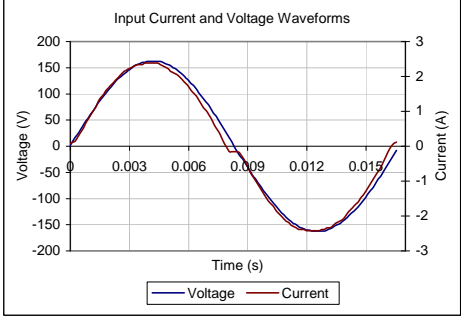


80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	91.97%
AVERAGE EFFICIENCY :	89.99%
80 PLUS COMPLIANT:	YES



Ecos ID #	1592
Manufacturer	DELL
Model Number	F180EU-00
Serial Number	N/A
Year	2009
Type	CUSTOM
Test Date	7/24/2009

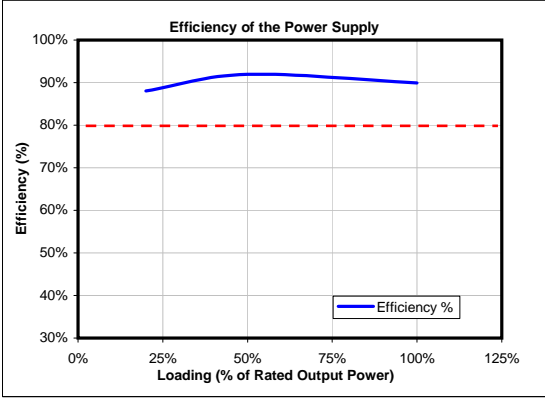
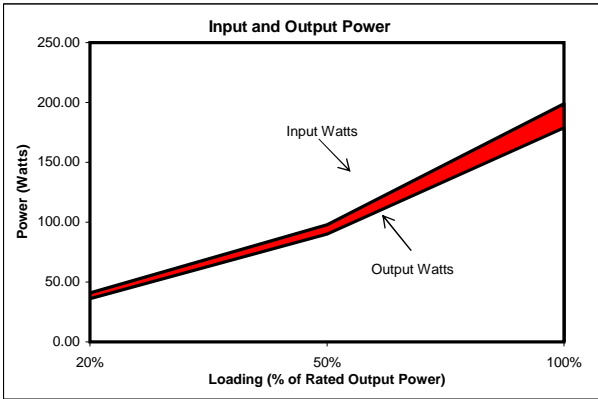


Input AC Current Waveform (ITHD = 11.11%, 50% Load)

Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	2.6	Amps
Input Frequency	50-60	Hz
Rated Output Power	180	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 12VA, 12VB, etc.)	-12V		
0.37	0.9624	19.97%	20%	Light	40.84	12/3	11.3/0	35.97	88.08%
0.86	0.9899	11.11%	50%	Typical	97.88	12/7.5	11.6/0	90.02	91.97%
1.74	0.9938	6.73%	100%	Full	198.96	11.9/14.9	11.9/0.1	178.93	89.93%



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.