

80 PLUS Verification and Testing Report

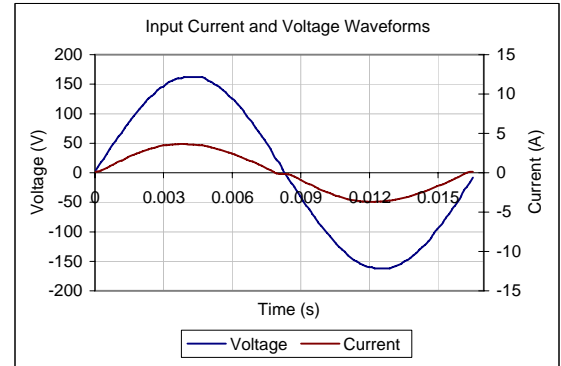


TYPICAL EFFICIENCY (50% Load):	89.46%
AVERAGE EFFICIENCY :	88.22%
80 PLUS COMPLIANT:	YES

Ecos ID #	696
Manufacturer	DELL
Model Number	F255E-01
Serial Number	NA
Year	2008
Type	CUSTOM
Test Date	5/22/2008

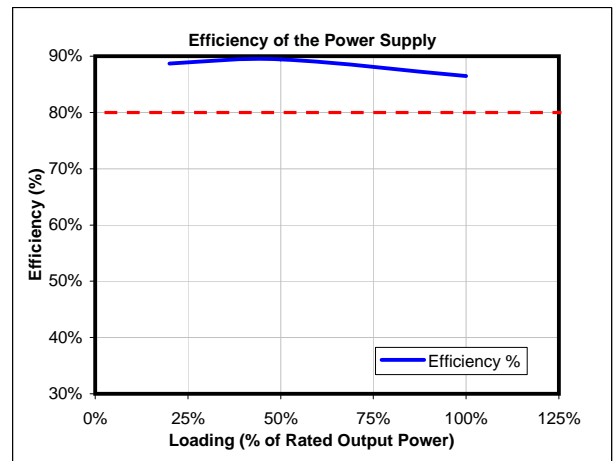
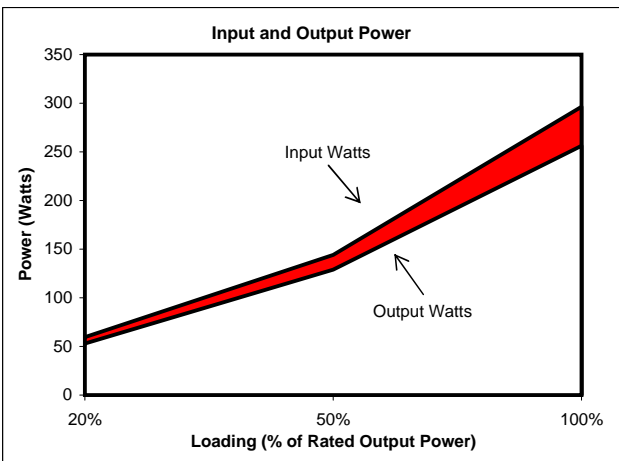
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	4	Amps
Input Frequency	50-60	Hz
Rated Output Power	255	Watts

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



Input AC Current Waveform (ITHD = 9.55%, 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
0.54	0.96	17.7%	20%	Light	60	5.1/6.2	11.3/0.1	0/0	0/0	5/0.6	53	88.71%
1.27	0.99	9.6%	50%	Typical	144	5.1/14.6	11.5/0.2	0/0	0/0	5/1.5	129	89.46%
2.59	1.00	6.1%	100%	Full	296	5.1/29.1	12/0.4	0/0	0/0	5/3.1	256	86.50%



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.

