

80 PLUS Verification and Testing Report

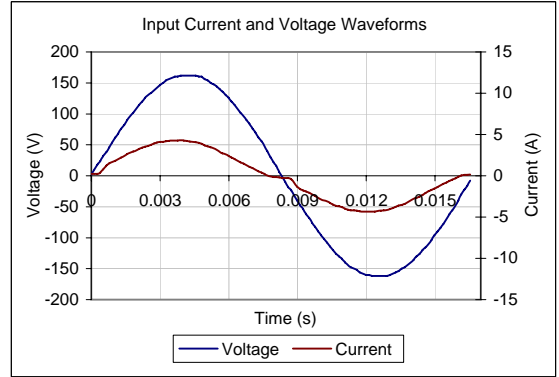


TYPICAL EFFICIENCY (50% Load):	84.65%
AVERAGE EFFICIENCY :	82.86%
80 PLUS COMPLIANT:	YES

Ecos ID #	276
Manufacturer	DELL
Model Number	YK840
Serial Number	00000063
Year	2007
Type	Custom
Test Date	6/22/2007

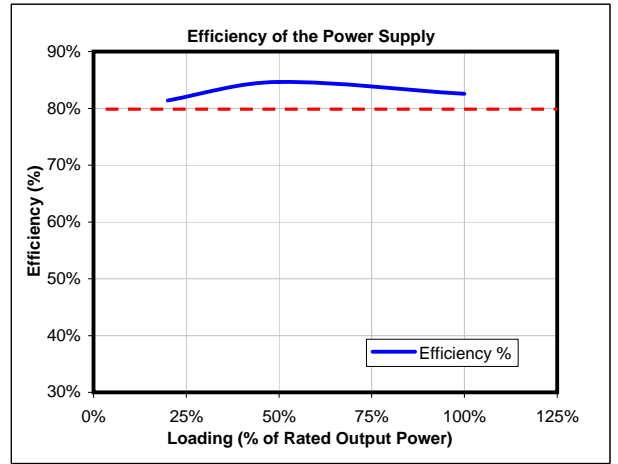
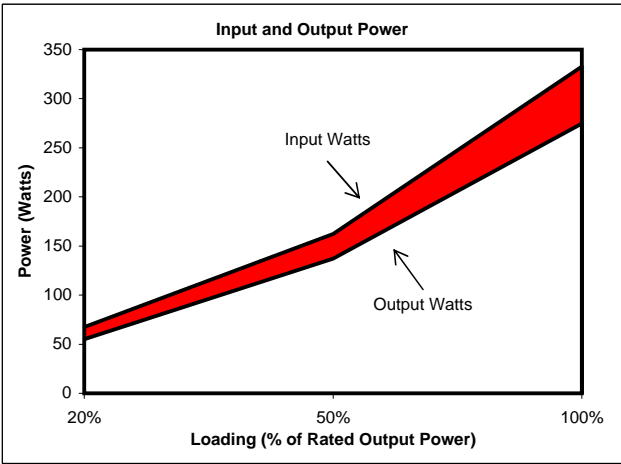
Rated Specifications	Value	Units
Input Voltage	100-120	Volts
Input Current	6	Amps
Input Frequency	50-60	Hz
Rated Output Power	275	Watts

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



Input AC Current Waveform (ITHD = 17.37%, 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		
0.61	0.96	19.3%	20%	Light	68	12/2.8	11.9/0.1	3.3/0.8	5/2.9	5/0.7	55	81.36%
1.46	0.97	17.4%	50%	Typical	162	12/7	12/0.2	3.3/2	4.9/7.4	5/1.6	137	84.65%
2.94	0.98	10.0%	100%	Full	333	12.1/13.9	12.3/0.4	3.2/4.1	4.9/14.7	5/3.3	275	82.56%



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.

