

80 PLUS Verification and Testing Report

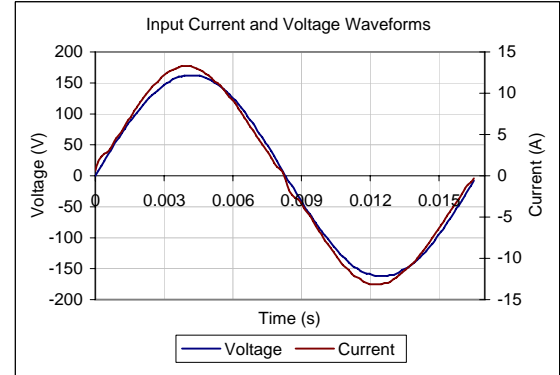


TYPICAL EFFICIENCY (50% Load):	84.53%
AVERAGE EFFICIENCY :	82.68%
80 PLUS COMPLIANT:	YES

Ecos ID #	315
Manufacturer	DELL
Model Number	YN642
Serial Number	NA
Year	2007
Type	CUSTOM
Test Date	7/30/2007

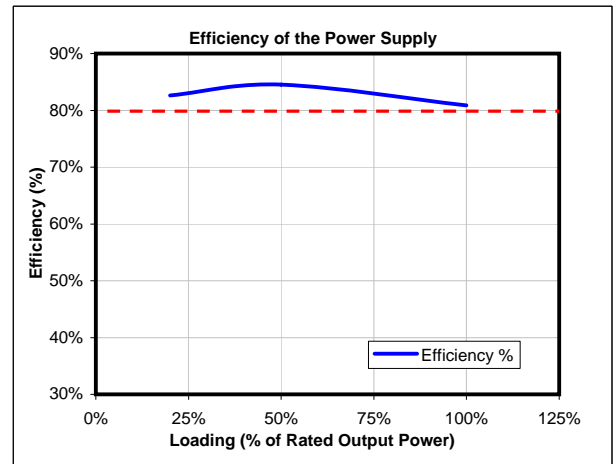
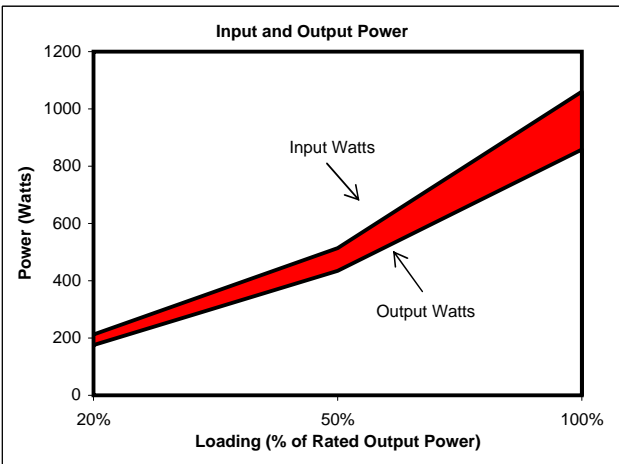
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	14	Amps
Input Frequency	50-60	Hz
Rated Output Power	875	Watts

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



Input AC Current Waveform (ITHD = 4.63%, 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		
1.87	0.98	6.5%	20%	Light	212	12/12.1	12/0	3.3/4.4	5/2.3	5/0.5	175	82.63%
4.48	1.00	4.6%	50%	Typical	514	11.9/30.4	12/0.1	3.3/11	5/5.9	5/1.3	434	84.53%
9.24	1.00	4.6%	100%	Full	1060	11.8/60.7	12.1/0.2	3.2/22	4.9/11.8	4.9/2.7	858	80.88%



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/>

