

80 PLUS Verification and Testing Report

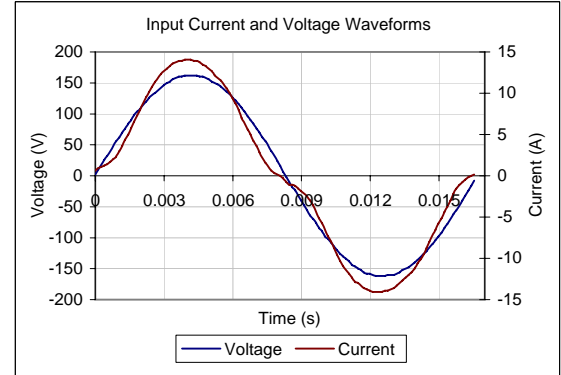


TYPICAL EFFICIENCY (50% Load):	85.43%
AVERAGE EFFICIENCY :	83.33%
80 PLUS COMPLIANT:	YES

Ecos ID #	325
Manufacturer	DELL
Model Number	GM869
Serial Number	NA
Year	2007
Type	CUSTOM
Test Date	7/30/2007

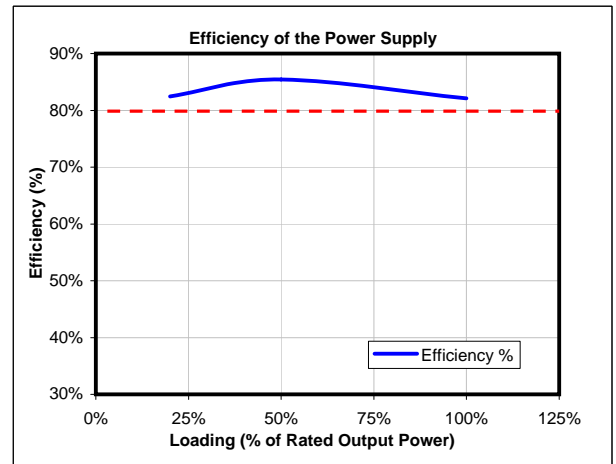
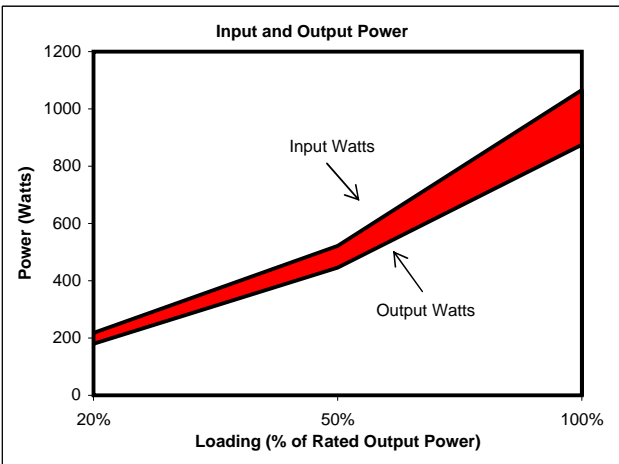
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	14	Amps
Input Frequency	50-60	Hz
Rated Output Power	875	Watts

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



Input AC Current Waveform (ITHD = 12.77%, 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		
1.91	0.99	5.3%	20%	Light	218	12.3/12.1	12/0	3.3/4.5	5.1/2.4	5/0.5	179	82.43%
4.57	0.99	12.8%	50%	Typical	522	12.2/30.3	12/0.1	3.3/11.1	5/5.9	5/1.3	446	85.43%
9.37	0.99	14.5%	100%	Full	1066	12/60.7	12.1/0.2	3.2/22.1	5/11.9	4.9/2.7	875	82.12%



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.