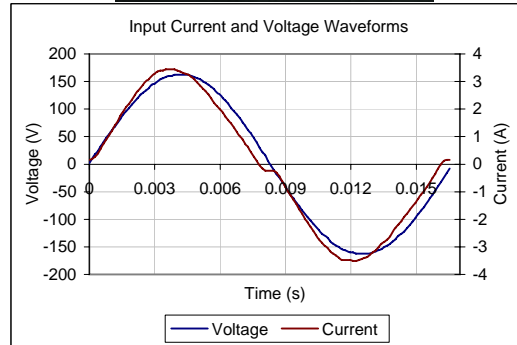


80 PLUS Verification and Testing Report



TYPICAL EFFICIENCY (50% Load):	90.03%
AVERAGE EFFICIENCY :	88.15%
80 PLUS COMPLIANT:	YES

Ecos ID #	1237
Manufacturer	DELL
Model Number	R225M
Serial Number	CN-OR225M-73245-8B5-001S-X00
Year	2009
Type	CUSTOM
Test Date	1/13/2009

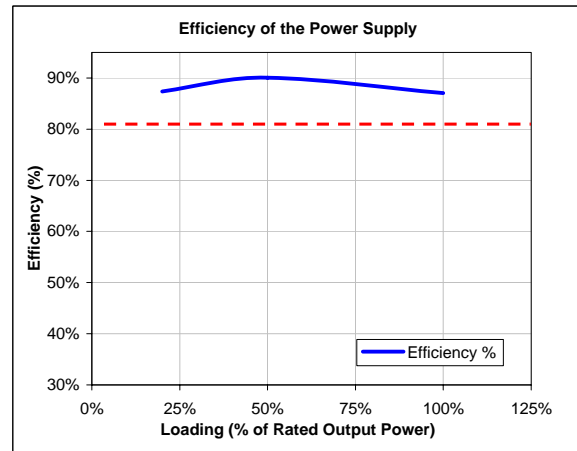
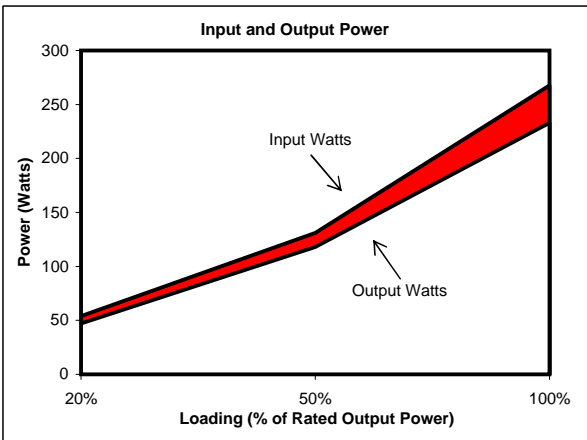


Input AC Current Waveform (I_{THD} = 13.12%, 50% Load)

Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	3.5	Amps
Input Frequency	50-60	Hz
Rated Output Power	235	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 12V1, 12V2, etc.)	-12V	3.3V	5V* / 5VSB			
0.50	0.95	96.6%	20%	Light	54	12/2.5	11.2/0.1	3.4/0.7	5.1/2.1	4.9/0.6	47	87.40%
1.16	0.98	13.1%	50%	Typical	131	12/6.3	11.4/0.2	3.4/1.7	5.1/5.4	4.9/1.5	118	90.03%
2.36	0.99	10.2%	100%	Full	268	11.9/12.6	11.8/0.4	3.3/3.4	5/10.7	4.9/3	233	87.03%



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.

