

80 PLUS Verification and Testing Report

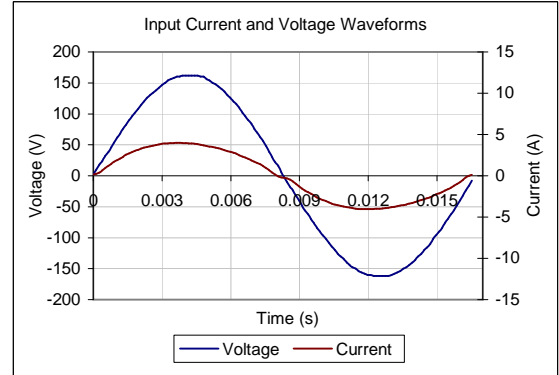


TYPICAL EFFICIENCY (50% Load):	84.10%
AVERAGE EFFICIENCY :	81.99%
80 PLUS COMPLIANT:	YES

Ecos ID #	388
Manufacturer	DELL
Model Number	MM720
Serial Number	NA
Year	2007
Type	CUSTOM
Test Date	10/3/2007

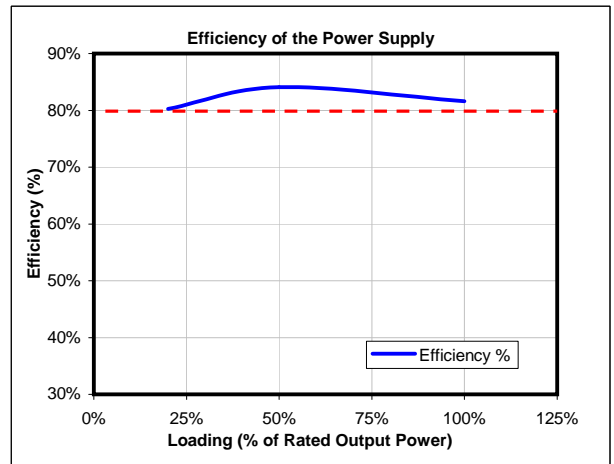
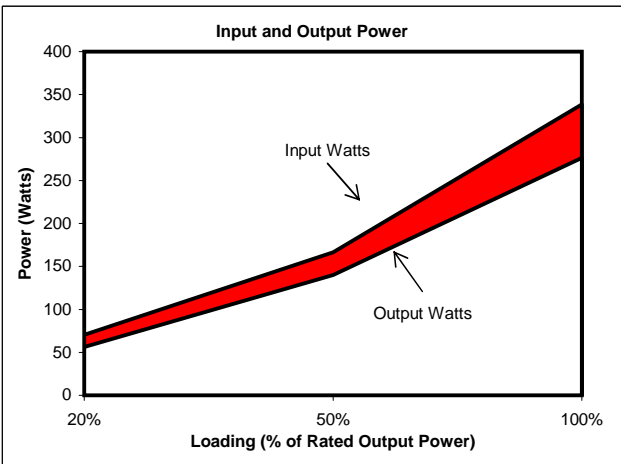
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	5	Amps
Input Frequency	50-60	Hz
Rated Output Power	280	Watts

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



Input AC Current Waveform (ITHD = 5.8%, 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		
0.63	0.97	13.5%	20%	Light	70	12/2.8	11.9/0.1	3.3/1.7	5.1/2.6	5.1/0.7	56	80.24%
1.46	0.99	5.8%	50%	Typical	166	12/6.9	11.9/0.2	3.3/4.3	5/6.4	5/1.7	140	84.10%
2.95	1.00	4.5%	100%	Full	339	11.9/13.8	12/0.4	3.2/8.6	4.9/12.9	4.9/3.4	276	81.62%



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.