

# 80 PLUS Verification and Testing Report

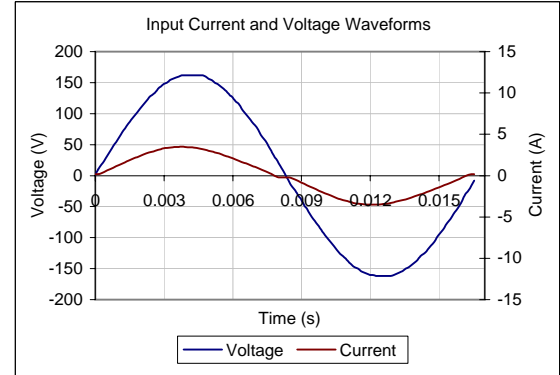


<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>90.34%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>90.20%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>

<b>Ecos ID #</b>	695
<b>Manufacturer</b>	DELL
<b>Model Number</b>	RM112
<b>Serial Number</b>	NA
<b>Year</b>	2008
<b>Type</b>	CUSTOM
<b>Test Date</b>	5/22/2008

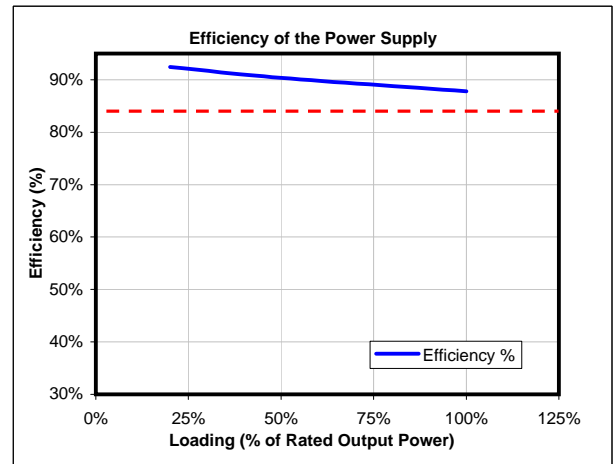
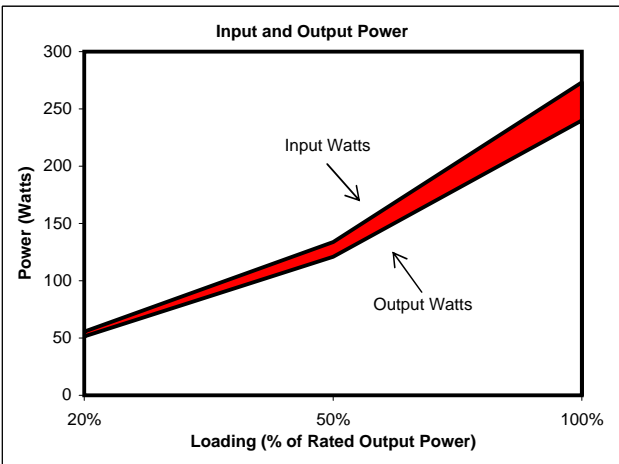
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	4	Amps
Input Frequency	50-60	Hz
<b>Rated Output Power</b>	<b>235</b>	<b>Watts</b>

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



Input AC Current Waveform (ITHD = 12.08%, 50% Load)

I <sub>RMS</sub> A	PF	I <sub>THD</sub> (%)	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		
0.51	0.95	18.2%	20%	Light	56	5/6.7	0/0	11.3/0.1	0/0	0/0	51	92.46%
1.19	0.98	12.1%	50%	Typical	134	5/14.9	0/0	11.5/0.3	0/0	0/0	121	90.34%
2.40	0.99	8.9%	100%	Full	273	5/29.7	0/0	11.9/0.6	0/0	0/0	240	87.80%



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.