

80 PLUS Verification and Testing Report

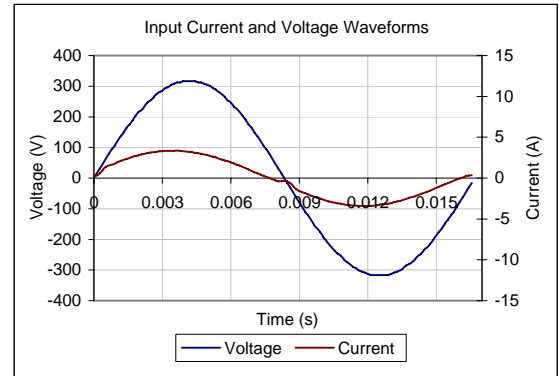


TYPICAL EFFICIENCY (50% Load):	92.47%
AVERAGE EFFICIENCY :	90.96%
80 PLUS COMPLIANT:	YES

Ecos ID #	SO-15
Manufacturer	DELL
Model Number	C502A-SO
Serial Number	CWM00012X040422080095
Year	2008
Type	1U CUSTOM
Test Date	9/23/2008

Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	6.5-3.4	Amps
Input Frequency	50-60	Hz
Rated Output Power	502	Watts

Note: All measurements were taken with input voltage at 230 V nominal and 60 Hz.

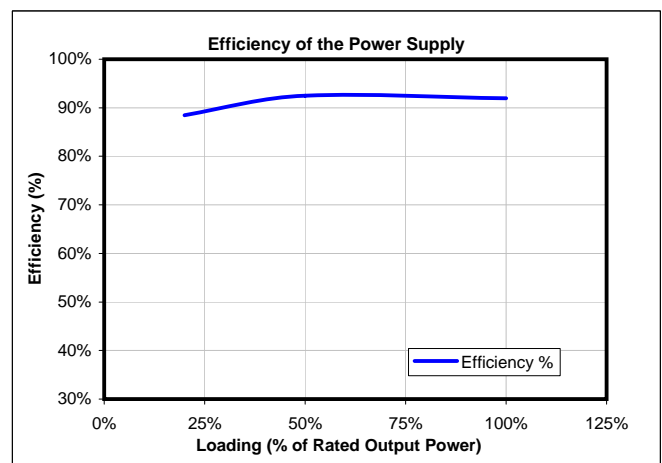
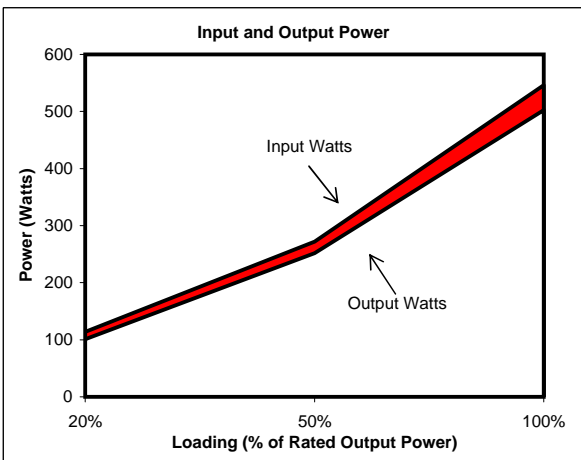


Input AC Current Waveform (ITHD = 6%, 100% Load)

I _{RMS} A	PF	I _{THD} (%)	Load (%)	Fraction of Load	Input Watts	External Fan (W)**	DC Terminal Voltage (V) / DC Load Current (A)		Output Watts	Efficiency %
							12V	12 VSB		
0.37	0.74	39.74	*10%	Low	63	3.81	12/3.92	11.9/0.29	51	79.91%
0.58	0.85	33.26	20%	Light	114	3.89	12/7.83	11.87/0.58	101	88.44%
1.24	0.95	19.82	50%	Typical	272	3.81	11.99/19.54	11.82/1.47	252	92.47%
2.42	0.98	6.00	100%	Full	546	3.81	11.99/39.04	11.76/2.91	502	91.98%

* 10% load results are for informative purposes only and not included in certification requirements

** Fan power is not included in the efficiency calculations.



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/>

