

80 Plus Verification and Testing Report

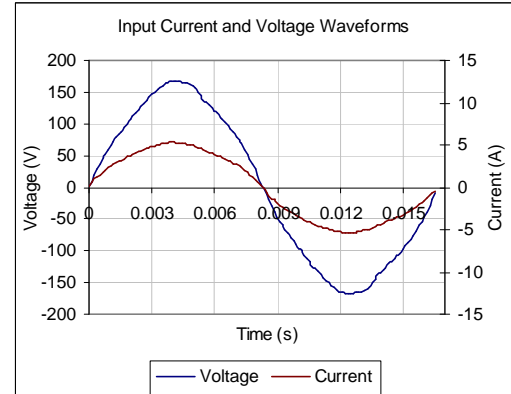
TYPICAL EFFICIENCY (50% Load):	84.47%
AVERAGE EFFICIENCY :	82.86%
80 PLUS COMPLIANT:	YES



Ecos ID #	22
Manufacturer	Crown Young Industries
Model Number	CP400B
Serial Number	N/A
Year	2005
Type	ATX
Test Date	4/29/2005

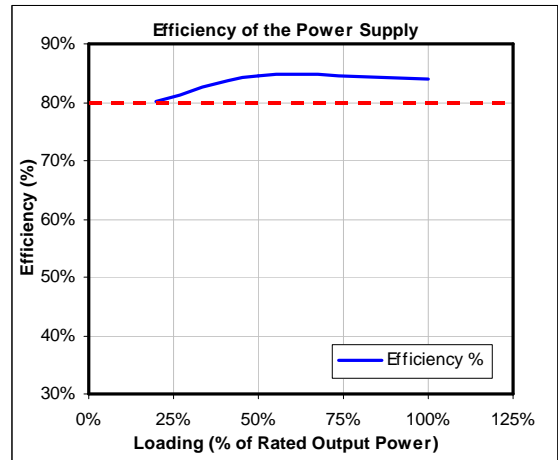
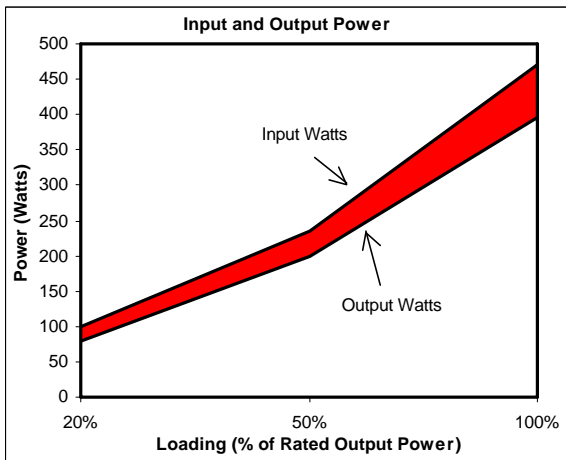
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10	Amps
Input Frequency	50/60	Hz
Rated Output Power	400	Watts

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



Input AC Current Waveform ($I_{THD} = 7.2\%$, 100% Load)

I_{RMS} A	PF	I_{THD} (%)	Load (%)	Fraction of Load	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A)						Output Watts	Efficiency %
						12V1	12V2	-12V	3.3V	5V*	5VSB		
0.88	0.98	5.7%	20%	Light	100	12.0/2.8	12.0/2.8	11.6/0.03	3.3/1.4	5.1/1.4	5.0/0.09	80	80.1%
2.03	1.00	3.2%	50%	Typical	236	12.0/7.0	12.0/7.0	11.8/0.07	3.2/3.5	5.0/3.5	5.0/0.2	199	84.5%
4.07	1.00	7.2%	100%	Full	471	11.9/14.1	11.9/14.1	12.1/0.1	3.2/7.0	5.0/7.0	4.9/0.5	395	84.0%



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 small servers.



Tested by EPRI Solutions, Knoxville, TN.