

# 80 Plus Verification and Testing Report

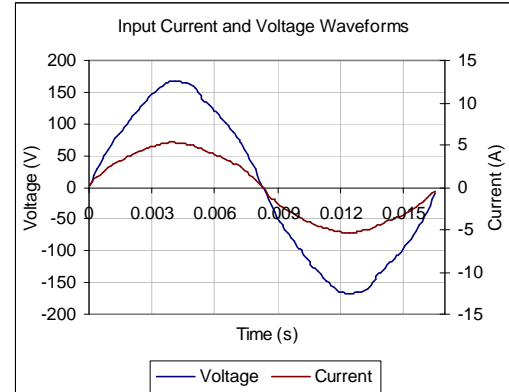
<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>84.47%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>82.86%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>



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

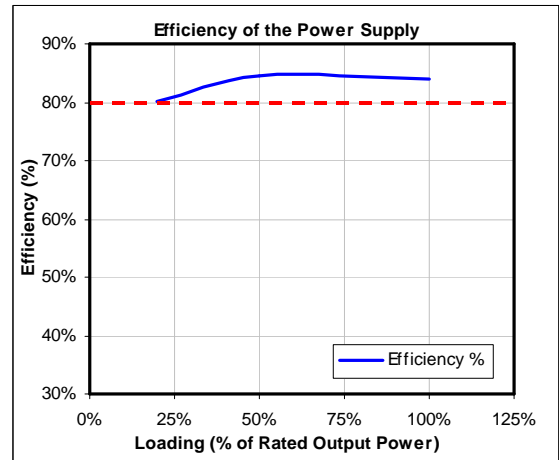
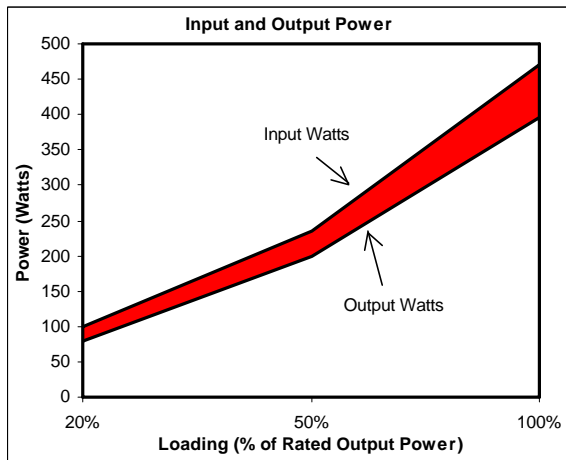
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10	Amps
Input Frequency	50/60	Hz
<b>Rated Output Power</b>	<b>400</b>	<b>Watts</b>

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 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/>

