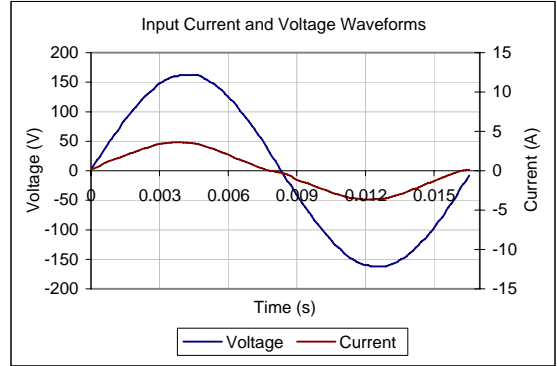


# 80 PLUS Verification and Testing Report



<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>83.57%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>82.94%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>

<b>Ecos ID #</b>	881
<b>Manufacturer</b>	ACBEL
<b>Model Number</b>	P07001-110G
<b>Serial Number</b>	NA
<b>Year</b>	2008
<b>Type</b>	ATX12V+24V
<b>Test Date</b>	9/9/2008

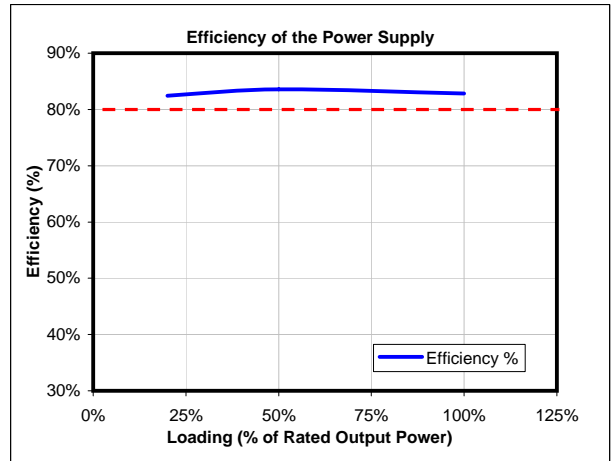
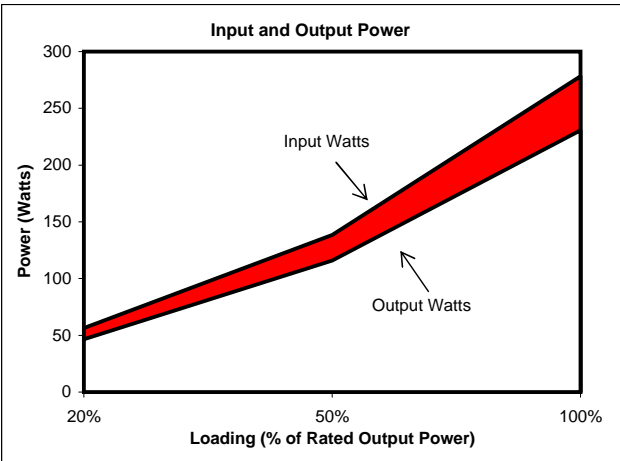


Input AC Current Waveform (ITHD = 11.05%, 50% Load)

Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	5-3	Amps
Input Frequency	50-60	Hz
<b>Rated Output Power</b>	<b>230</b>	<b>Watts</b>

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

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, 24V RAIL, etc.)	-12V	3.3V	5V*			5VSB
0.50	0.96	9.9%	20%	Light	56	36.8/2.7	12/0	3.3/0.8	5.1/1	5.1/0.4	46	82.44%
1.23	0.98	11.1%	50%	Typical	139	36.8/6.7	12.2/0.1	3.3/2	5/2.5	5/1	116	83.57%
2.45	0.99	8.9%	100%	Full	278	36.9/13.4	12.4/0.2	3.2/4	5/5	5/2	231	82.81%



These tests were conducted by a third party independent testing firm on behalf of the 80 PLUS<sup>®</sup> 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/>

