

# 80 PLUS Verification and Testing Report

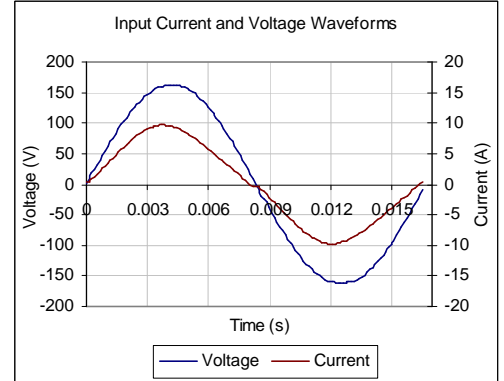
<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>84.45%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>82.66%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>



<b>Ecos ID #</b>	103
<b>Manufacturer</b>	AcBel
<b>Model Number</b>	API5PC38
<b>Serial Number</b>	N/A
<b>Year</b>	2006
<b>Type</b>	ATX12V
<b>Test Date</b>	9/13/2006

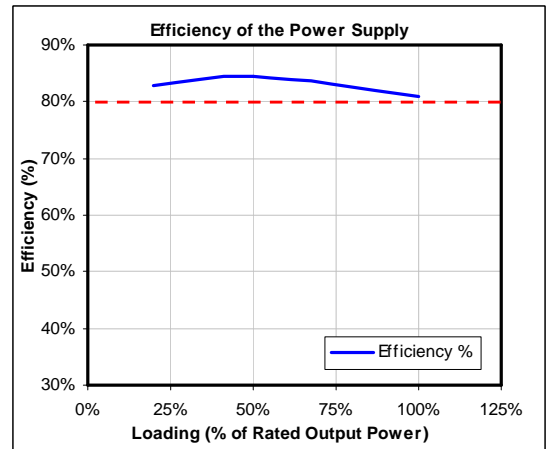
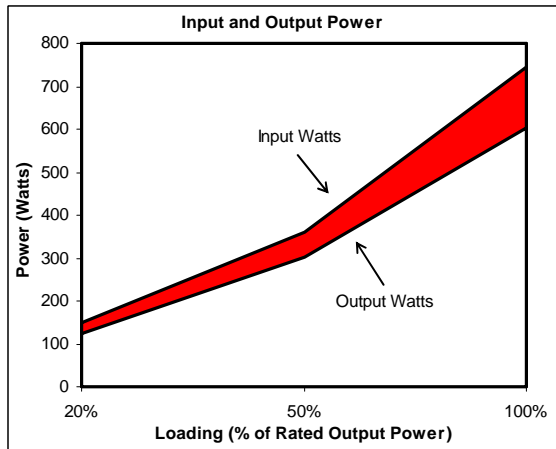
Rated Specifications	Value	Units
Input Voltage	100 - 240	Volts
Input Current	10 - 5	Amps
Input Frequency	60 - 50	Hz
<b>Rated Output Power</b>	<b>607</b>	<b>Watts</b>

Note: All measurements were taken with input voltage at 115 V nominal and 60 Hz. Fan LEDs were illuminated during all tests.



Input AC Current Waveform (ITHD = 11.41%, 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 %
						12V1	12V2	12V3	-12V	3.3V	5V*	5VSB		
1.31	0.98	15.0%	20%	Light	147	12/2.5	12.1/2.5	12.1/2.5	12.1/0.2	3.3/3.2	5/3.2	5/0.6	122	82.75%
3.16	0.99	11.4%	50%	Typical	359	12/6.2	12/6.2	12/6.2	12.1/0.4	3.3/8	4.9/7.9	5/1.5	303	84.45%
6.54	0.99	8.6%	100%	Full	747	12/12.5	12/12.5	12/12.5	11.8/0.8	3.2/15.9	4.9/15.9	4.9/3	603	80.78%



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 EPRI Solutions Inc., Knoxville, TN.