

# 80 PLUS Verification and Testing Report

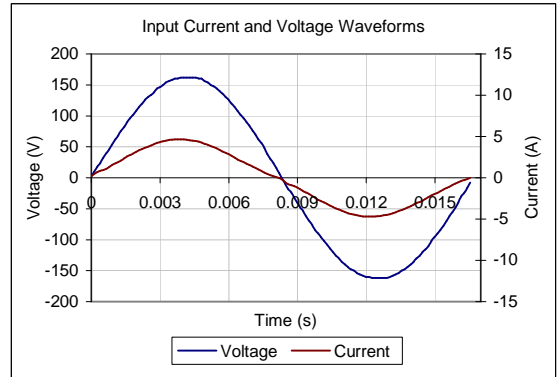


<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>83.38%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>81.71%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>

<b>Ecos ID #</b>	339
<b>Manufacturer</b>	ACBEL
<b>Model Number</b>	PC7050
<b>Serial Number</b>	NA
<b>Year</b>	2007
<b>Type</b>	ATX
<b>Test Date</b>	8/17/2007

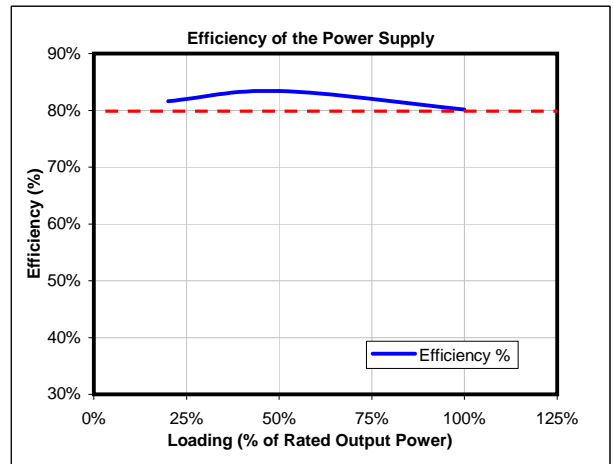
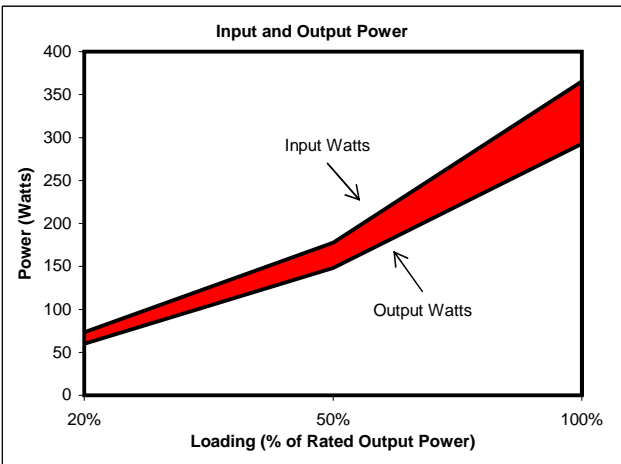
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	5	Amps
Input Frequency	50-60	Hz
<b>Rated Output Power</b>	<b>300</b>	<b>Watts</b>

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



Input AC Current Waveform (ITHD = 4.81%, 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 %
						12V (cumulative of 12V1, 12V2, etc.)	-12V	3.3V	5V*	5VSB		
0.65	0.98	10.6%	20%	Light	73	11.9/3.2	12.2/0	3.3/2.2	5/2.6	4.9/0.3	60	81.58%
1.56	0.99	4.8%	50%	Typical	178	11.9/7.9	12.3/0	3.3/5.6	4.8/6.6	4.9/0.7	148	83.38%
3.19	0.99	7.0%	100%	Full	365	11.8/15.7	12.6/0.1	3.1/11.1	4.8/13.3	4.6/1.4	293	80.16%



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 Electric Power Research Institute, Knoxville, TN.