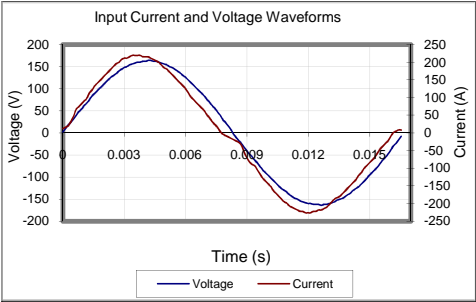


# 80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	86.56%
AVERAGE EFFICIENCY :	84.85%
80 PLUS COMPLIANT:	YES



Ecos ID #	2163
Manufacturer	ACBEL POLYTECH
Model Number	PCA022
Serial Number	PCA02210250000094S1
Year	2010
Type	ATX12V
Test Date	7/28/2010

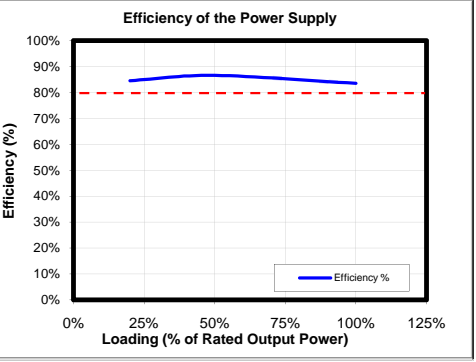
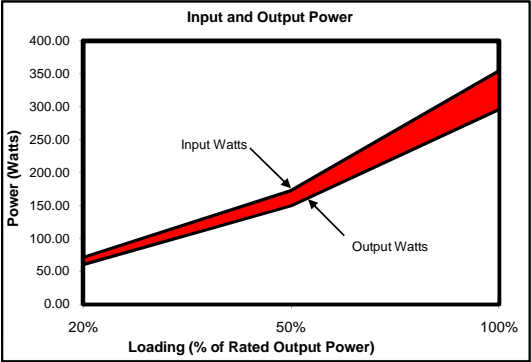


Rated Specifications	Value	Units
Input Voltage	100-127/220-240	Volts
Input Current	6/3	Amps
Input Frequency	60/50	Hz
<b>Rated Output Power</b>	<b>300</b>	<b>Watts</b>

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

Input AC Current Waveform (ITHD = 8.56%, 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	0.96	11.54%	20%	Light	71.25	11.9/3.8	12.2/0.2	3.4/1.5	5/1.2	5/0.4	60.21	84.51%
1.53	0.98	8.56%	50%	Typical	172.90	11.9/9.4	12.2/0.4	3.4/3.8	5/3	4.9/1	149.67	86.56%
3.13	0.99	5.56%	100%	Full	354.90	11.8/18.8	12.2/0.8	3.4/7.5	5/6.1	4.9/2	296.30	83.49%



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/>

