

## 80 PLUS Verification and Testing Report

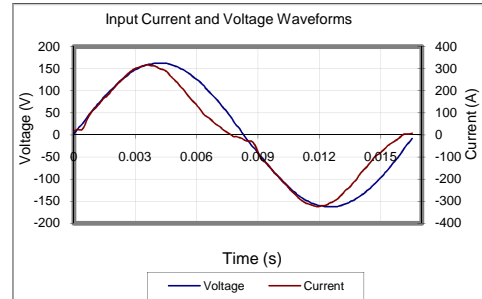
TYPICAL EFFICIENCY (50% Load):	86.94%
AVERAGE EFFICIENCY :	85.08%
80 PLUS COMPLIANT:	YES



Ecos ID #	2262
Manufacturer	ACBEL POLYTECH INC.
Model Number	PCA012
Serial Number	PCA01210290000014S1
Year	2010
Type	ATX12V
Test Date	10/21/2010

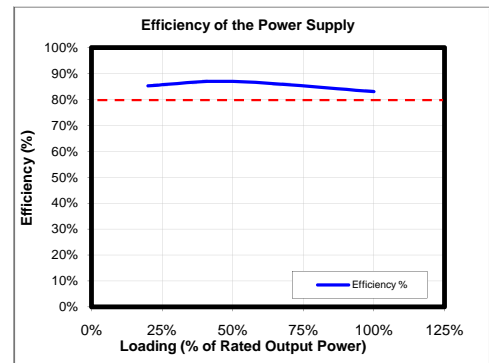
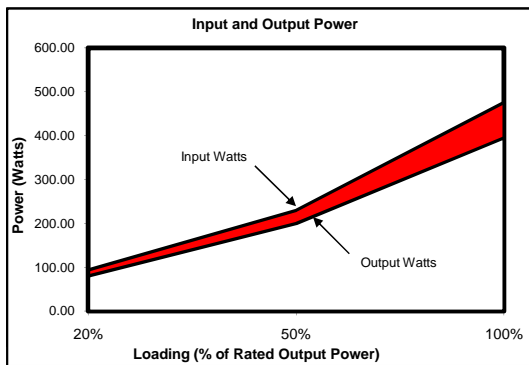
Rated Specifications	Value	Units
Input Voltage	110-240	Volts
Input Current	6-3	Amps
Input Frequency	60/50	Hz
Rated Output Power	400	Watts

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



Input AC Current Waveform (ITHD = 16.07%, 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		
0.86	0.96	19.49%	20%	Light	94.13	12/4.9	11.1/0	3.4/2	5/2.5	5.1/0.4	80.27	85.27%
2.06	0.97	16.07%	50%	Typical	230.20	11.9/12.2	11.1/0.1	3.4/5.1	5/6.3	5.1/1	200.13	86.94%
4.20	0.98	12.73%	100%	Full	476.30	11.9/24.3	11.3/0.2	3.3/10.1	4.9/12.6	5/2	395.50	83.03%



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/>

