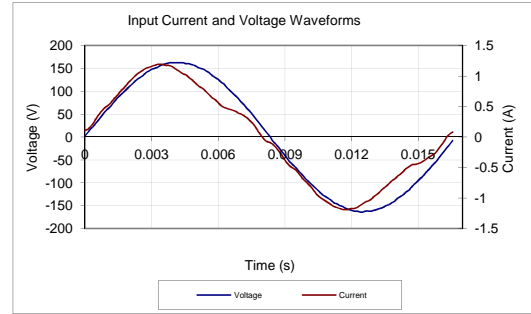


80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	85.97%
AVERAGE EFFICIENCY :	84.43%
80 PLUS COMPLIANT:	YES



Ecos ID #	4090
Manufacturer	In Win Development Inc.
Model Number	IP-AD150A7-2
Serial Number	N/A
Year	2014
Type	FLEX ATX,CUSTOM
Test Date	9/17/14

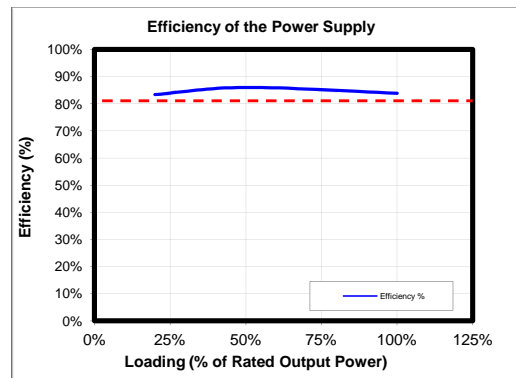
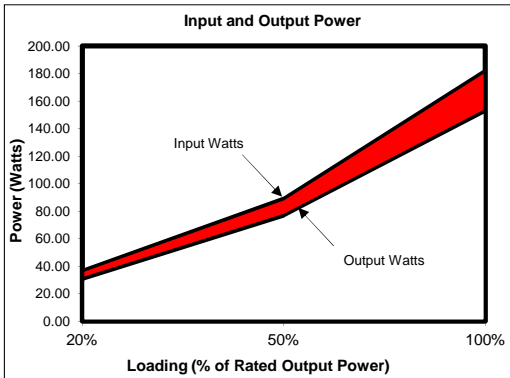


Input AC Current Waveform (ITHD = 10.92%, 50% Load)

Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	2	Amps
Input Frequency	60/50	Hz
Rated Output Power	150	Watts

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

I _{RMS} A	PF	I _{THD} (%)	Load (%)	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A)					Output Watts	Efficiency %
					12V (cumulative of 12V1, 12V2, etc.)						
0.26	0.65	65.31%	10%	19.90	12.4/0.8					15.40	77.37%
0.37	0.88	37.22%	20%	36.91	12.3/1.6					30.79	83.43%
0.80	0.98	10.92%	50%	89.38	12.3/3.9					76.84	85.97%
1.63	0.97	14.89%	100%	182.38	12.3/7.8					152.99	83.89%



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/>

