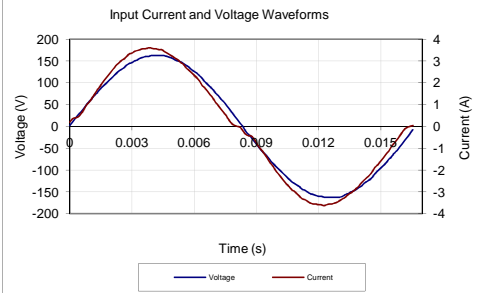


80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	92.26%
AVERAGE EFFICIENCY :	90.93%
80 PLUS COMPLIANT:	YES



Ecos ID #	3832
Manufacturer	Zippy Technology Corp.
Model Number	P1U-5520K
Serial Number	NA
Year	2013
Type	1U
Test Date	1/3/14

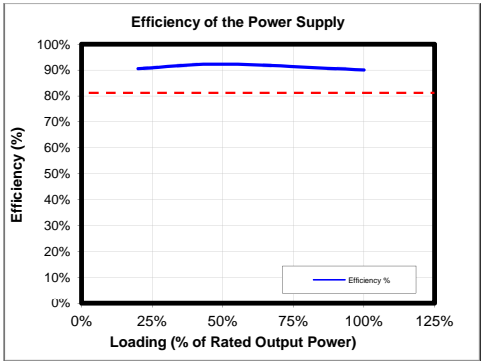
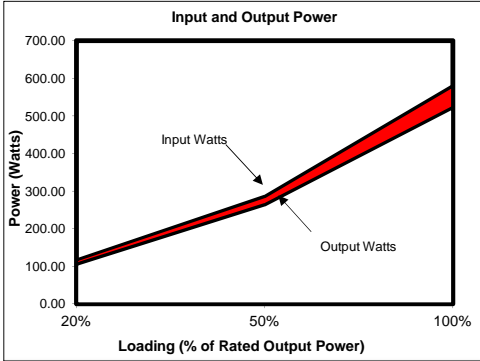


Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	8-4	Amps
Input Frequency	47-63	Hz
Rated Output Power	520	Watts

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

Input AC Current Waveform (ITHD = 7.79%, 50% Load)

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.)						
0.55	0.97	10.40%	10%	61.70	12.2/3.7	12.1/0	3.3/0.7	5.1/0.7	5/0.2	52.96	85.83%
1.04	0.98	12.00%	20%	117.00	12.2/7.5	12.1/0.1	3.3/1.5	5.1/1.5	5/0.4	105.90	90.51%
2.50	0.99	7.79%	50%	286.00	12.2/18.6	12.1/0.1	3.3/3.7	5.1/3.6	5/0.9	263.88	92.26%
5.06	1.00	5.72%	100%	580.50	12.2/37	12.1/0.3	3.3/7.3	5/7.3	4.9/1.7	522.50	90.01%



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/>

