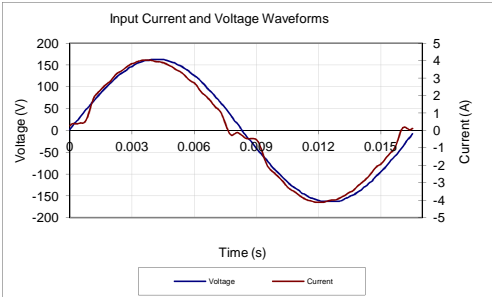


80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	86.42%
AVERAGE EFFICIENCY :	84.83%
80 PLUS COMPLIANT:	YES



Ecos ID #	3304
Manufacturer	Powercool
Model Number	PCB-550BK
Serial Number	N/A
Year	2012
Type	ATX12V
Test Date	10/12/12

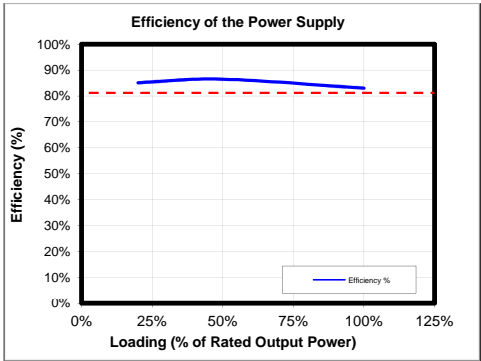
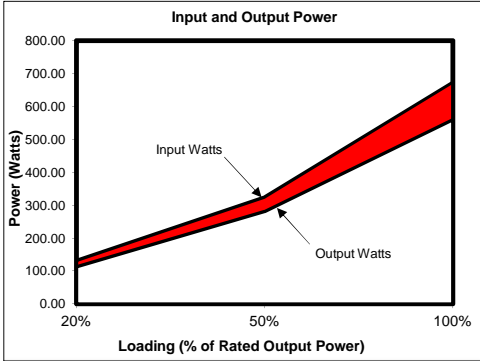


Rated Specifications	Value	Units
Input Voltage	110/220	Volts
Input Current	N/A	Amps
Input Frequency	60/50	Hz
Rated Output Power	550	Watts

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

Input AC Current Waveform (ITHD = 9.74%, 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.)		-12V	3.3V	5V			5Vsb
0.62	0.98	7.66%	10%	69.42	12.3/3.6		11.6/0	3.4/1.3	5.1/1.3	5.1/0.2	56.30	81.11%
1.19	0.97	20.72%	20%	132.45	12.3/7.1		11.6/0.1	3.4/2.6	5.1/2.6	5.1/0.4	112.67	85.06%
2.85	0.99	9.74%	50%	325.30	12.2/17.8		11.7/0.1	3.4/6.6	5.1/6.6	5.1/1.1	281.11	86.42%
5.89	1.00	8.22%	100%	674.40	12.2/35.6		11.8/0.3	3.4/13.2	5/13.1	5/2.1	559.77	83.00%



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/>

