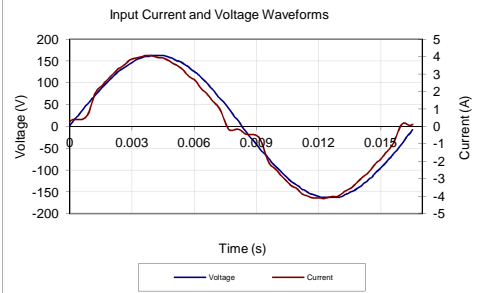


80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	86.27%
AVERAGE EFFICIENCY :	84.74%
80 PLUS COMPLIANT:	YES



Ecos ID #	3305
Manufacturer	Powercool
Model Number	PCB-550BKMOD
Serial Number	N/A
Year	2012
Type	ATX12V
Test Date	10/12/12

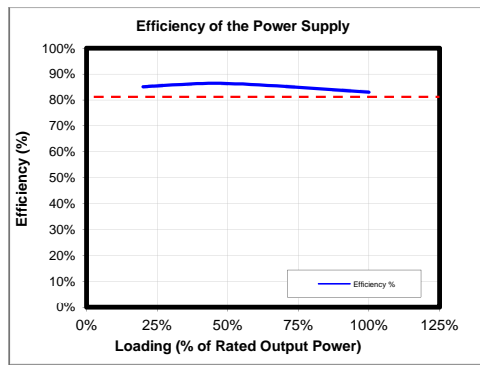
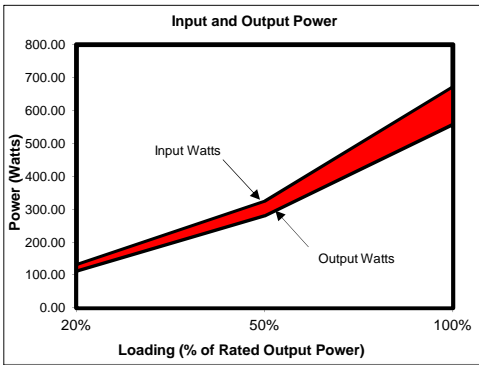


Rated Specifications	Value	Units
Input Voltage	110/220	Volts
Input Current	N/A	Amps
Input Frequency	60/50	Hz
Rated Output Power	550	Watts

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

Input AC Current Waveform (ITHD = 11.17%, 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	0.97	6.96%	10%	69.21	12.2/3.6	11.6/0	3.4/1.3	5.1/1.3	5.1/0.2	56.12	81.08%
1.19	0.96	22.64%	20%	132.05	12.2/7.1	11.6/0.1	3.4/2.6	5.1/2.6	5.1/0.4	112.28	85.03%
2.85	0.99	11.17%	50%	324.70	12.2/17.8	11.6/0.1	3.4/6.6	5/6.6	5.1/1.1	280.12	86.27%
5.88	0.99	9.12%	100%	672.70	12.2/35.6	11.8/0.3	3.4/13.2	5/13.1	5/2.1	557.73	82.91%



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/>

