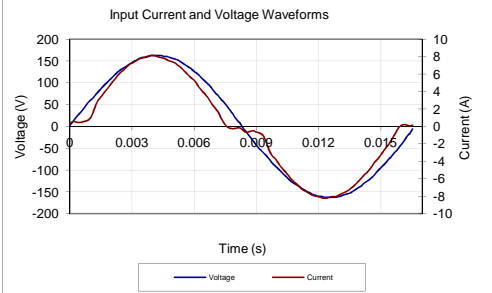


80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	87.34%
AVERAGE EFFICIENCY :	85.45%
80 PLUS COMPLIANT:	YES



Ecos ID #	3315
Manufacturer	Powercool
Model Number	PCB-1050BKMOD
Serial Number	N/A
Year	2012
Type	ATX12V
Test Date	10/17/12

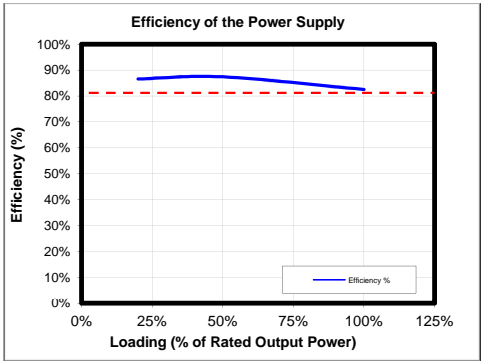
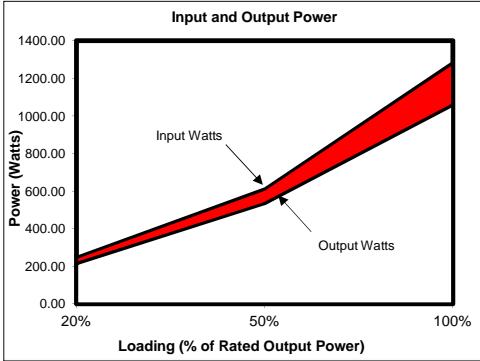


Rated Specifications	Value	Units
Input Voltage	110/220	Volts
Input Current	N/A	Amps
Input Frequency	60/50	Hz
Rated Output Power	1050	Watts

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

Input AC Current Waveform (ITHD = 21.65%, 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.)						
1.15	0.99	13.53%	10%	130.58	12.2/7.2	11.5/0.1	3.4/2.1	5.2/2.1	5.1/0.2	107.35	82.21%
2.22	0.97	21.64%	20%	248.20	12.2/14.4	11.5/0.1	3.4/4.1	5.2/4.1	5.1/0.5	214.71	86.51%
5.40	0.98	21.65%	50%	611.60	12.1/36	11.8/0.2	3.4/10.3	5.2/10.3	5.1/1.2	534.18	87.34%
11.25	0.99	11.93%	100%	1283.50	12.1/71.7	11.6/0.5	3.4/20.5	5.2/20.5	5/2.4	1058.98	82.51%



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/>

