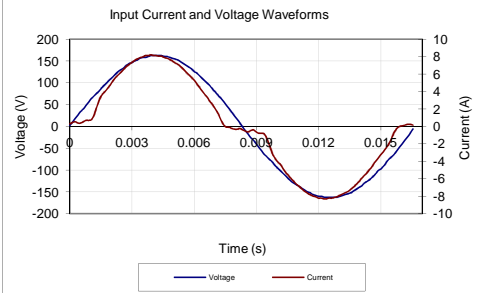


80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	87.08%
AVERAGE EFFICIENCY :	85.26%
80 PLUS COMPLIANT:	YES



Ecos ID #	3314
Manufacturer	Powercool
Model Number	PCB-1050BK
Serial Number	N/A
Year	2012
Type	ATX12V
Test Date	10/18/12

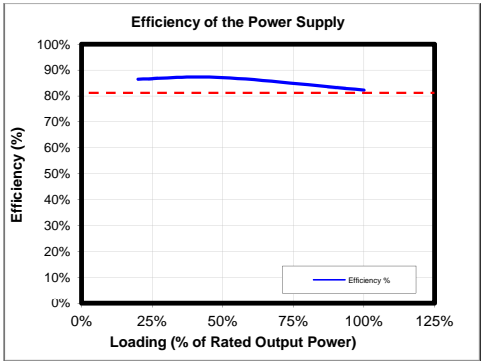
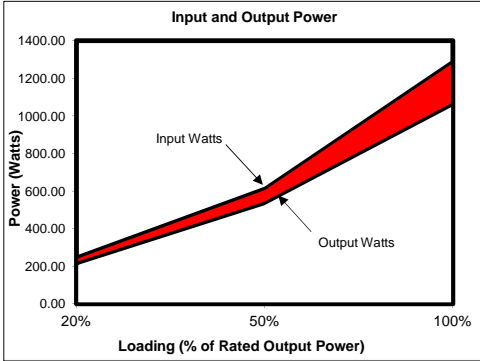


Rated Specifications	Value	Units
Input Voltage	110/220	Volts
Input Current	NA	Amps
Input Frequency	60/50	Hz
Rated Output Power	1050	Watts

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

Input AC Current Waveform (ITHD = 18.37%, 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.)						
1.14	0.99	7.89%	10%	130.51	12.2/7.2	11.5/0.1	3.4/2.1	5.2/2.1	5.1/0.2	107.45	82.33%
2.23	0.97	23.95%	20%	248.60	12.2/14.4	11.5/0.1	3.4/4.1	5.2/4.1	5.1/0.5	214.98	86.48%
5.44	0.98	18.37%	50%	614.80	12.2/36	11.5/0.2	3.4/10.3	5.2/10.3	5.1/1.2	535.36	87.08%
11.33	0.99	12.73%	100%	1291.00	12.1/71.7	11.6/0.5	3.4/20.5	5.1/20.5	5/2.4	1061.67	82.24%



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/>

