

80 PLUS Verification and Testing Report

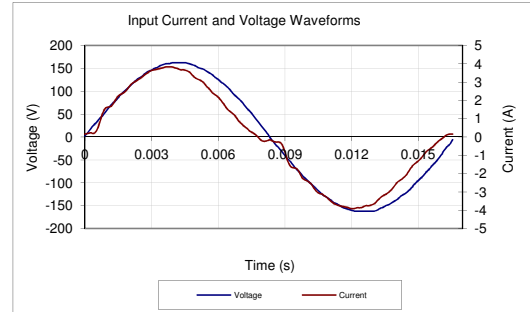
TYPICAL EFFICIENCY (50% Load):	85.23%
AVERAGE EFFICIENCY :	83.57%
80 PLUS COMPLIANT:	YES



Ecos ID #	3378
Manufacturer	COUGAR
Model Number	CGR R-500
Serial Number	H1209002638
Year	2012
Type	OTHER ATX 12V & EPS12V
Test Date	12/3/12

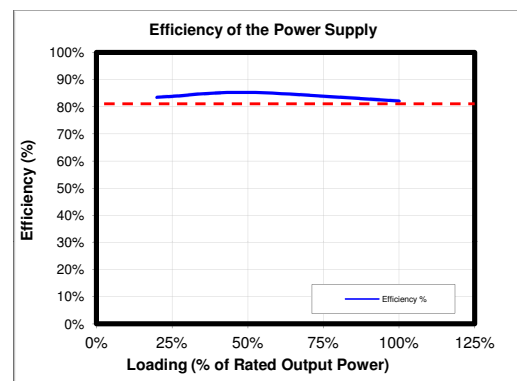
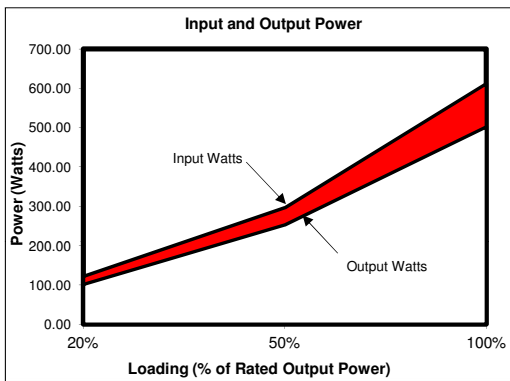
Rated Specifications	Value	Units
Input Voltage	110-240	Volts
Input Current	8-5	Amps
Input Frequency	50-60	Hz
Rated Output Power	500	Watts

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



Input AC Current Waveform (ITHD = 12.01%, 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		
0.58	0.97	20.31%	10%	65.26	12.2/3.2	12/0	3.4/1.6	5/1	5.1/0.3	50.67	77.65%
1.07	0.99	14.23%	20%	121.76	12.2/6.4	12/0.1	3.4/3.2	5/2	5.1/0.5	101.56	83.41%
2.62	0.98	12.01%	50%	296.70	12.1/15.9	12/0.1	3.3/8	5/5	5.1/1.3	252.89	85.23%
5.36	0.99	7.51%	100%	612.30	12.1/31.8	12/0.3	3.3/15.9	5/9.9	5/2.6	502.49	82.07%



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/>

