

80 PLUS Verification and Testing Report

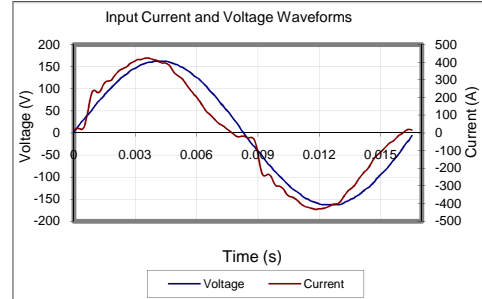
TYPICAL EFFICIENCY (50% Load):	85.56%
AVERAGE EFFICIENCY :	83.84%
80 PLUS COMPLIANT:	YES



Ecos ID #	2354
Manufacturer	COUGAR
Model Number	CGR R-550
Serial Number	N/A
Year	2010
Type	ATX12V & EPS12V
Test Date	12/9/2010

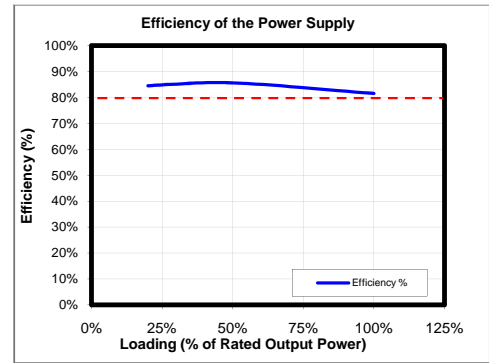
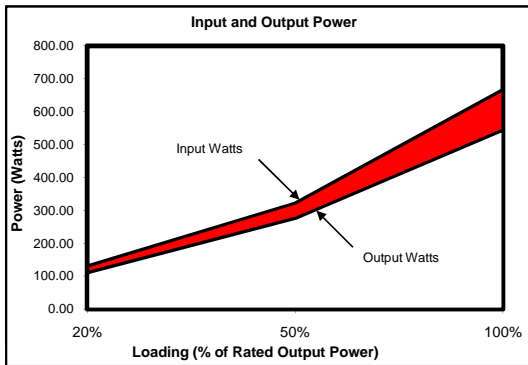
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10	Amps
Input Frequency	50-60	Hz
Rated Output Power	550	Watts

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



Input AC Current Waveform (ITHD = 14.06%, 50% Load)

I _{RMS} A	PF	I _{THD} (%)	Load (%)	Fraction of 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		
1.16	0.99	6.61%	20%	Light	131.60	12.1/7.6	11.9/0	3.3/2.9	5/1.8	5/0.1	111.20	84.50%
2.90	0.97	14.06%	50%	Typical	322.80	12/19	11.9/0	3.3/7.2	5/4.5	5/0.1	276.20	85.56%
5.88	0.99	8.58%	100%	Full	668.20	11.9/38	11.9/0	3.3/14.3	5/9	5/0.3	544.30	81.46%



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/>

