

80 PLUS Verification and Testing Report

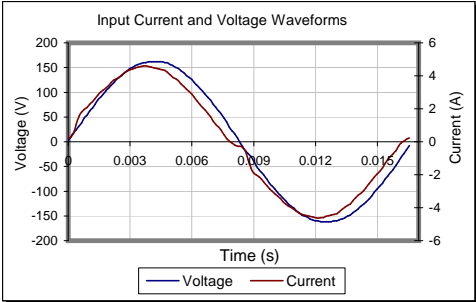
TYPICAL EFFICIENCY (50% Load):	83.71%
AVERAGE EFFICIENCY :	81.89%
80 PLUS COMPLIANT:	YES



Ecos ID #	1544.1
Manufacturer	COUGAR
Model Number	CGR R-300
Serial Number	N/A
Year	2009
Type	ATX12V & EPS12V
Test Date	7/21/2009

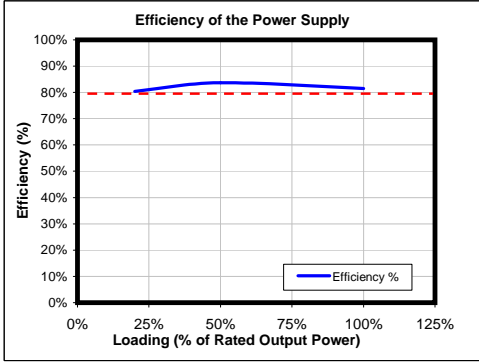
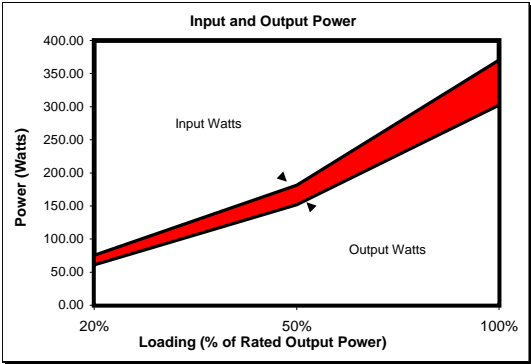
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	5	Amps
Input Frequency	50-60	Hz
Rated Output Power	300	Watts

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



Input AC Current Waveform (ITHD = 10.81%, 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.)					
0.68	0.97	11.92%	20%	Light	75.65	12.2/3.3				60.85	80.44%
1.61	0.98	10.81%	50%	Typical	181.44	12.1/8.2				151.88	83.71%
3.25	0.99	5.19%	100%	Full	370.60	12.1/16.5				302.15	81.53%



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/>

