

80 PLUS Verification and Testing Report

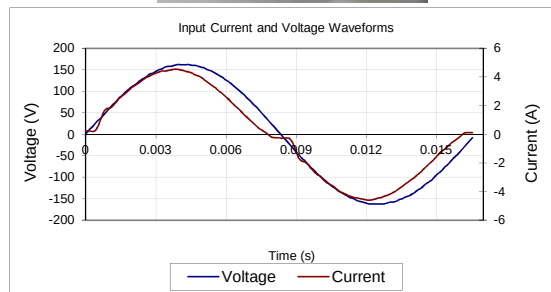
TYPICAL EFFICIENCY (50% Load):	86.94%
AVERAGE EFFICIENCY :	85.12%
80 PLUS COMPLIANT:	YES



Ecos ID #	4349
Manufacturer	COUGAR
Model Number	CGR R-600
Serial Number	H1503046146
Year	2015
Type	ATX12V,EPS12V
Test Date	5/28/15

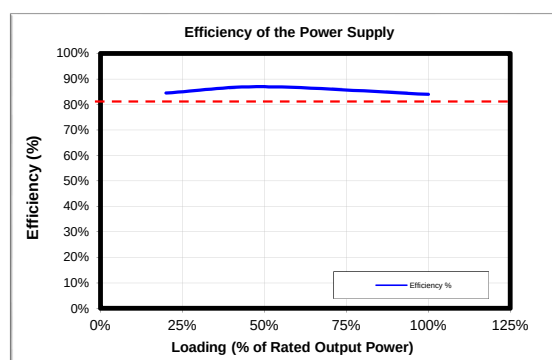
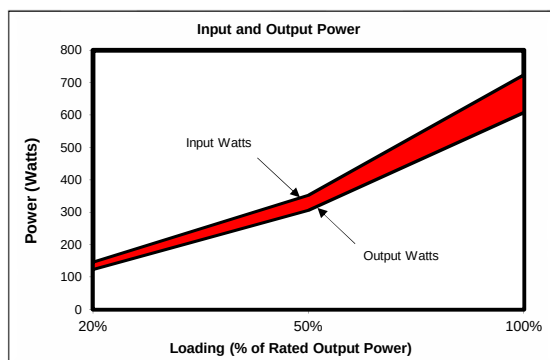
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10-5	Amps
Input Frequency	50-60	Hz
Rated Output Power	600	Watts

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



Input AC Current Waveform (ITHD = 10.87%, 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	5Vsb		
0.71	0.96	17.34%	10%	78.97	12.27/4.01	12.08/0.02	3.34/1.42	5.09/1.18	5.02/0.24	61.44	77.80%
1.29	0.98	15.93%	20%	145.26	12.24/8.02	12.07/0.05	3.35/2.84	5.09/2.35	5.01/0.49	122.71	84.48%
3.10	0.98	10.87%	50%	351.60	12.23/20.03	12.19/0.12	3.33/7.09	5.06/5.86	4.96/1.22	305.67	86.94%
6.32	0.99	6.38%	100%	723.70	12.2/39.99	12.45/0.24	3.28/14.13	4.98/11.72	4.89/2.44	607.53	83.95%



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/>

