

80 PLUS Verification and Testing Report

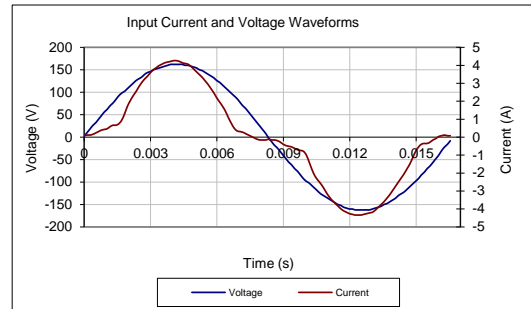
TYPICAL EFFICIENCY (50% Load):	86.24%
AVERAGE EFFICIENCY :	84.47%
80 PLUS COMPLIANT:	YES



ID #	2957.1
Manufacturer	Redragon
Model Number	RGPS-500W
Serial Number	N/A
Year	2011
Type	ATX12V
Test Date	1/13/2012

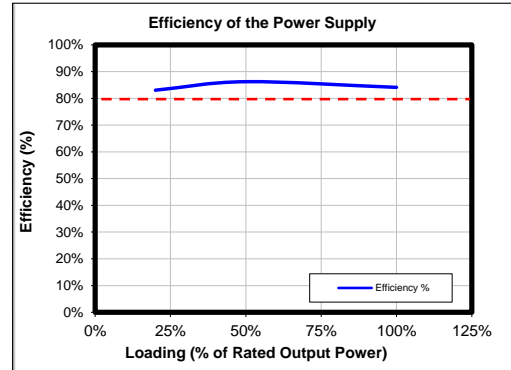
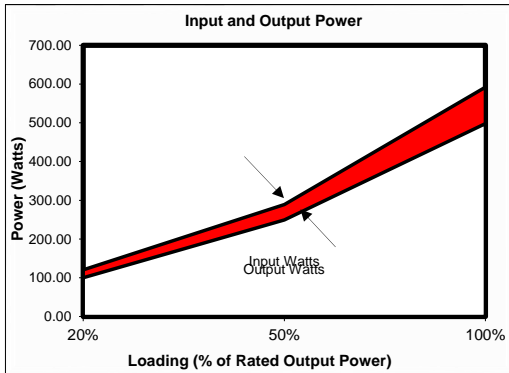
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	8-4	Amps
Input Frequency	50/60	Hz
Rated Output Power	500	Watts

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



Input AC Current Waveform (ITHD = 28.45%, 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
0.59	0.96	21.81%	10%	65.67	11.9/3.2		11.9/0	3.3/1.4	5.1/1.1	5.1/0.2	50.10	76.30%
1.08	0.96	24.10%	20%	120.20	11.9/6.5		11.9/0	3.3/2.8	5.1/2.1	5.1/0.4	99.84	83.06%
2.63	0.96	28.45%	50%	289.10	11.9/16.2		11.9/0.1	3.3/7	5.1/5.3	5.1/1	249.33	86.24%
5.29	0.97	21.93%	100%	591.90	11.9/32.4		12/0.3	3.3/14	5/10.5	4.9/2.1	497.89	84.12%



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/>

