

80 PLUS Verification and Testing Report

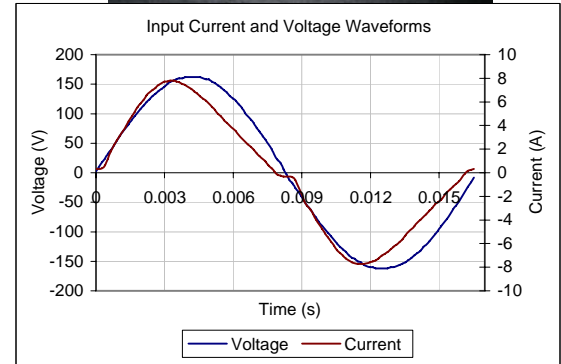
TYPICAL EFFICIENCY (50% Load):	91.12%
AVERAGE EFFICIENCY :	89.60%
80 PLUS COMPLIANT:	YES



Ecos ID #	1150.1
Manufacturer	IN WIN
Model Number	IRP-GOL500
Serial Number	N/A
Year	2008
Type	ATX12V
Test Date	11/24/2008

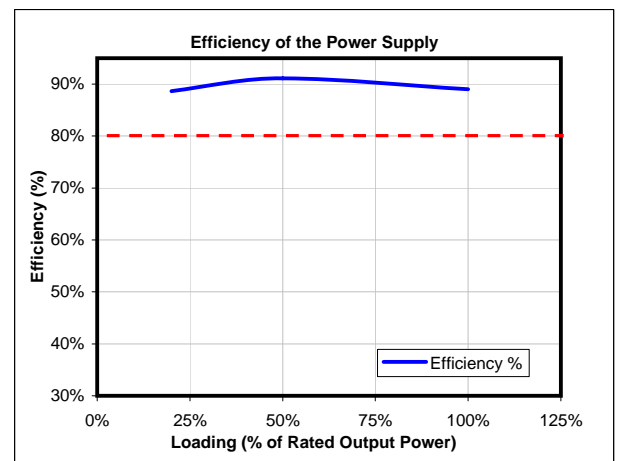
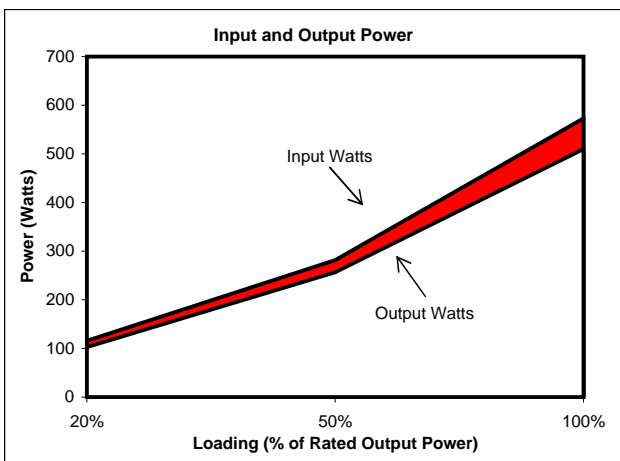
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	6/3	Amps
Input Frequency	50/60	Hz
Rated Output Power	500	Watts

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



Input AC Current Waveform (ITHD = 17.1%, 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		
1.06	0.95	20.1%	20%	Light	116	12.4/6.3	12.2/0.1	3.3/2.6	5.2/2.6	5.1/0.5	103	88.63%
2.52	0.97	17.1%	50%	Typical	281	12.3/15.7	12.2/0.3	3.3/6.4	5.2/6.4	5.1/1.1	256	91.12%
5.10	0.98	13.4%	100%	Full	573	12.3/31.3	12.5/0.6	3.3/12.8	5.2/12.8	5.1/2.3	510	89.04%



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/>

