

80 PLUS Verification and Testing Report

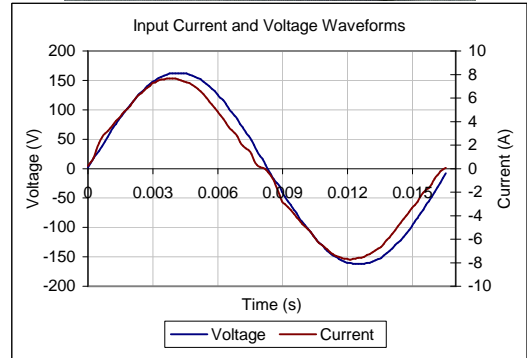


TYPICAL EFFICIENCY (50% Load):	83.83%
AVERAGE EFFICIENCY :	81.92%
80 PLUS COMPLIANT:	YES

Ecos ID #	638.1
Manufacturer	SIMA FUTURE SYSTEM CORP.
Model Number	GP535B
Serial Number	NA
Year	2008
Type	ATX12V
Test Date	4/30/2008

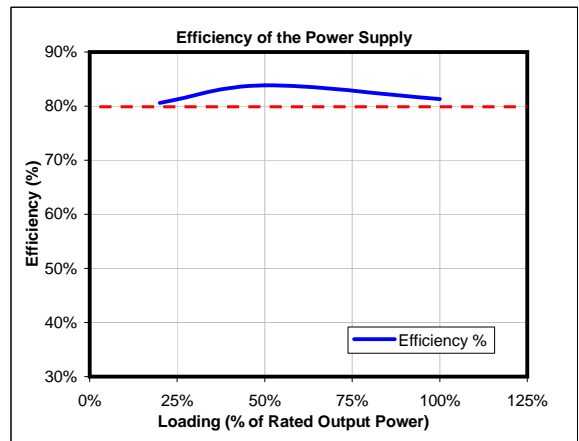
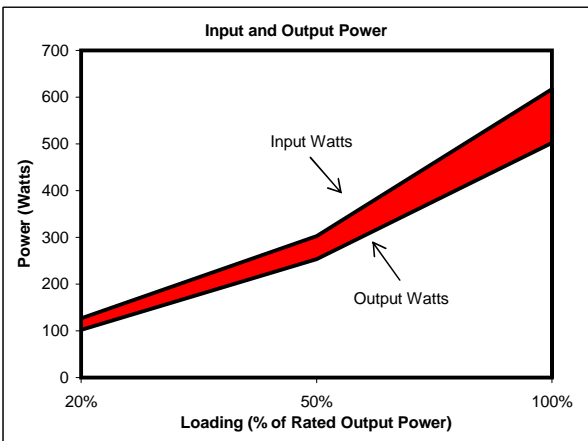
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	8	Amps
Input Frequency	50-60	Hz
Rated Output Power	500	Watts

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



Input AC Current Waveform (ITHD = 6.87%, 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
1.12	0.98	12.8%	20%	Light	127	12.3/6	12.1/0	3.4/3	5/3	5.1/0.4	102	80.62%
2.68	0.98	6.9%	50%	Typical	303	12.3/15.1	12.2/0.1	3.3/7.5	4.9/7.5	5/1	254	83.83%
5.40	0.99	4.2%	100%	Full	617	12.2/30.2	12.4/0.2	3.2/15	4.8/15.1	4.9/2.1	502	81.31%



These tests were conducted as a part 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 computing technology applications.



Tested by Electric Power Research Institute, Knoxville, TN.