

80 PLUS Verification and Testing Report

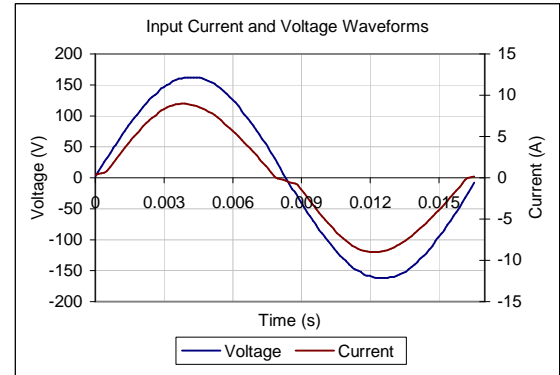
TYPICAL EFFICIENCY (50% Load):	86.95%
AVERAGE EFFICIENCY :	84.81%
80 PLUS COMPLIANT:	YES



Ecos ID #	368
Manufacturer	EMACS
Model Number	HG2-5600V
Serial Number	T72408668 26A750620
Year	2007
Type	ATX12V
Test Date	9/12/2007

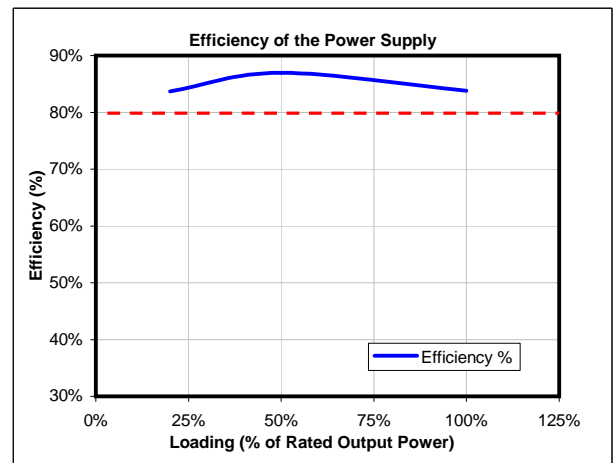
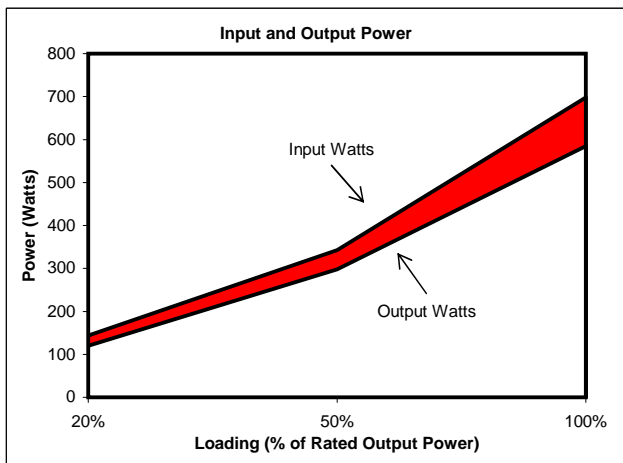
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10	Amps
Input Frequency	47-63	Hz
Rated Output Power	600	Watts

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



Input AC Current Waveform (ITHD = 14.4%, 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		
1.25	1.00	5.8%	20%	Light	144	12/7.3	12/0.2	3.3/3.2	5.1/3.2	5/0.7	120	83.68%
3.02	0.99	14.4%	50%	Typical	343	11.9/18.3	11.8/0.4	3.2/8.1	5/8.1	4.9/1.8	298	86.95%
6.11	0.99	10.0%	100%	Full	698	11.8/36.5	11.5/0.8	3.1/16.2	4.8/16.2	4.8/3.5	585	83.81%



These tests were conducted as a part of the 80 PLUS program. 80 PLUS is a computer buy-down program to promote high-efficiency power supplies (greater than 80% efficiency in the active mode) in desktop computers and desktop-derived servers.

Tested by Electric Power Research Institute, Knoxville, TN.

