

# 80 PLUS Verification and Testing Report

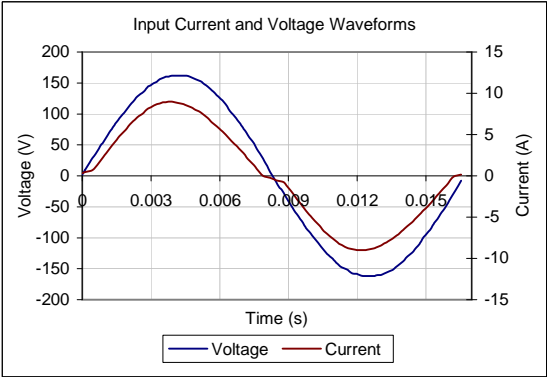
<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>86.95%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>84.81%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>



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

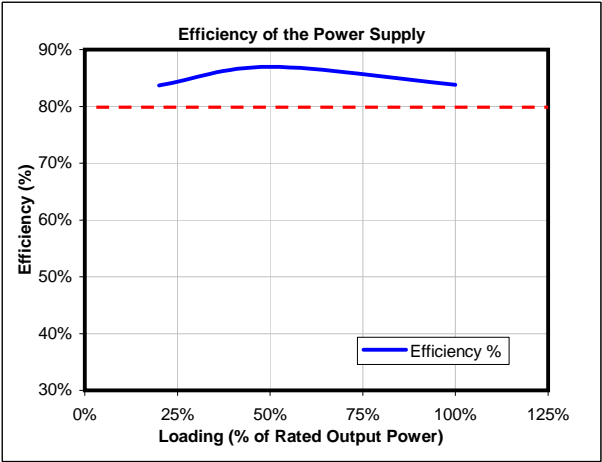
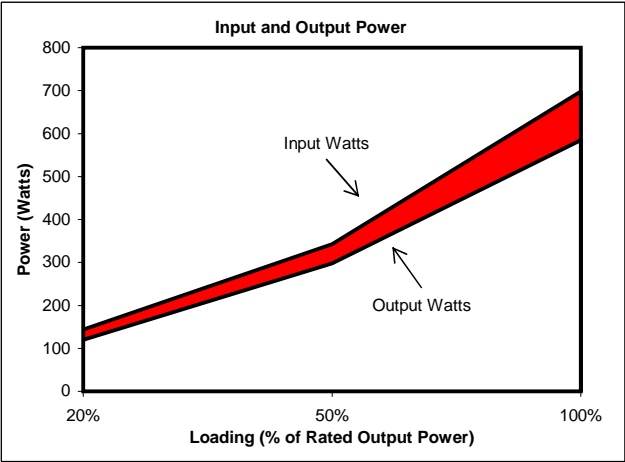
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10	Amps
Input Frequency	47-63	Hz
<b>Rated Output Power</b>	<b>600</b>	<b>Watts</b>

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 <sub>RMS</sub> A	PF	I <sub>THD</sub> (%)	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 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/>

