

# 80 PLUS Verification and Testing Report

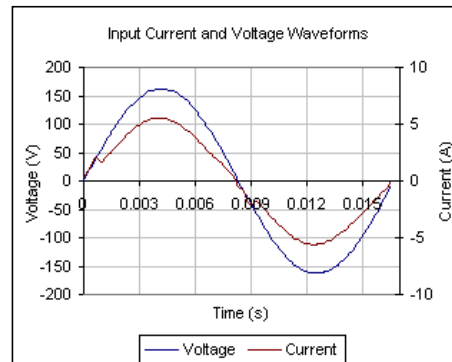
<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>83.53%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>81.94%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>



<b>Ecos ID #</b>	36
<b>Manufacturer</b>	Enhance Electronics
<b>Model Number</b>	ENP-5136GH
<b>Serial Number</b>	N/A
<b>Year</b>	2006
<b>Type</b>	ATX12V
<b>Test Date</b>	2/6/2006

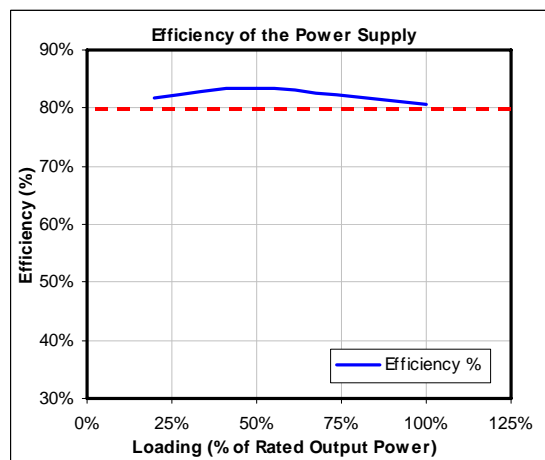
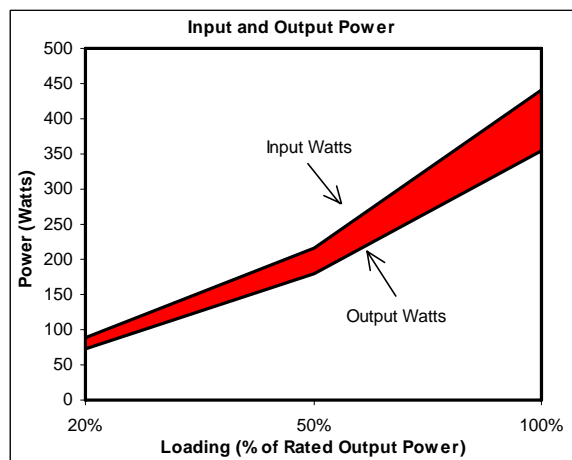
Rated Specifications	Value	Units
Input Voltage	100 - 240	Volts
Input Current	8 - 4	Amps
Input Frequency	60 - 50	Hz
<b>Rated Output Power</b>	<b>360</b>	<b>Watts</b>

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



Input AC Current Waveform ( $I_{THD} = 12.6\%$ , 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 %
						12V1	12V2	-12V	3.3V	5V*	5VSB		
0.79	0.98	9.2%	20%	Light	89	12.3/1.9	12.3/2.1	11.8/0.05	3.3/3.2	5.0/1.9	5.0/0.5	73	81.71%
1.89	1.00	5.9%	50%	Typical	216	12.2/4.9	12.2/5.3	11.9/0.1	3.2/8.1	4.9/4.8	4.9/1.2	180	83.53%
3.84	1.00	6.2%	100%	Full	440	12.1/9.7	12.0/10.5	11.9/0.2	3.1/16.2	4.8/9.7	4.9/2.4	355	80.58%



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/>

