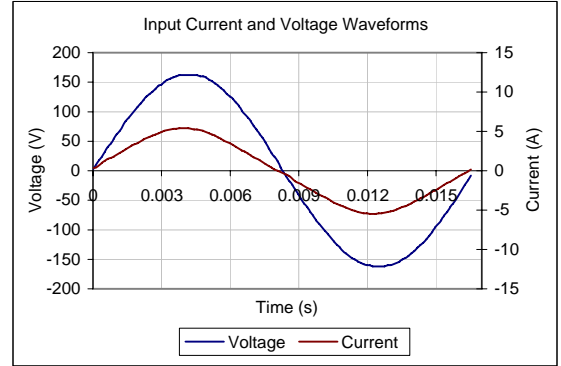


# 80 PLUS Verification and Testing Report



<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>84.08%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>82.37%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>

<b>Ecos ID #</b>	581
<b>Manufacturer</b>	2THEMAX
<b>Model Number</b>	GPA-350
<b>Serial Number</b>	NA
<b>Year</b>	2008
<b>Type</b>	ATX12V
<b>Test Date</b>	3/3/2008

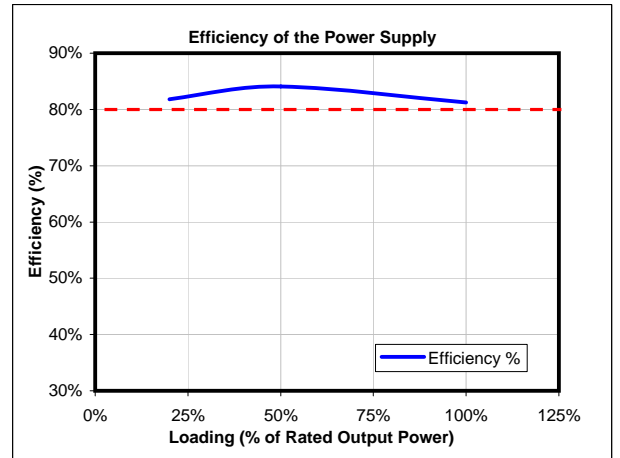
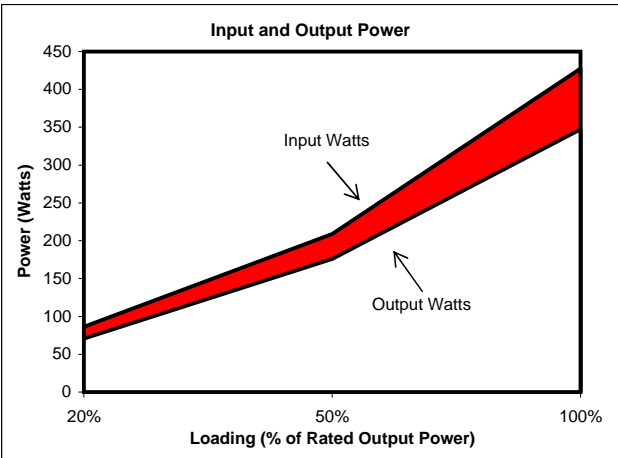


Input AC Current Waveform (ITHD = 6.64%, 50% Load)

Rated Specifications	Value	Units
Input Voltage	115/230	Volts
Input Current	5	Amps
Input Frequency	50/60	Hz
<b>Rated Output Power</b>	<b>350</b>	<b>Watts</b>

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

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
0.76	0.98	7.6%	20%	Light	86	12.2/3.8	12.2/0.1	3.3/3	5/2.1	5.1/0.6	71	81.83%
1.83	0.99	6.6%	50%	Typical	209	12.1/9.5	12.3/0.1	3.3/7.5	5/5.3	5/1.5	176	84.08%
3.73	1.00	5.3%	100%	Full	428	12/19.1	12.4/0.3	3.2/14.9	4.9/10.7	4.9/3	347	81.21%



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.