

## 80 PLUS Verification and Testing Report

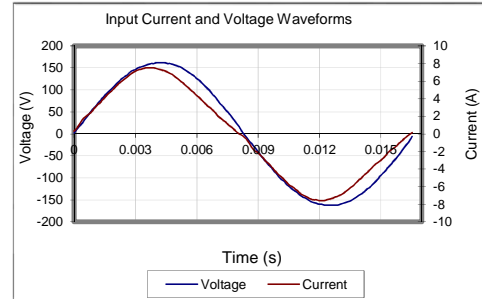
<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>87.37%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>85.65%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>



<b>Ecos ID #</b>	2098.3
<b>Manufacturer</b>	GUANGDONG SOHOO TECHNOLOGY CO., LTD.
<b>Model Number</b>	GM-500
<b>Serial Number</b>	N/A
<b>Year</b>	2010
<b>Type</b>	ATX12V
<b>Test Date</b>	6/9/2010

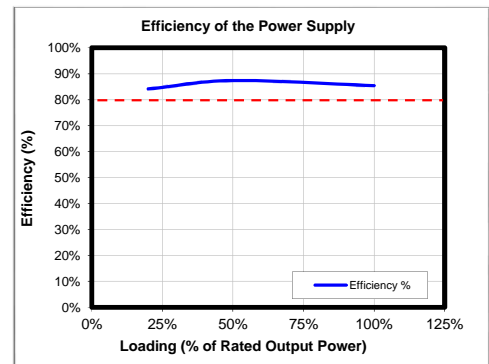
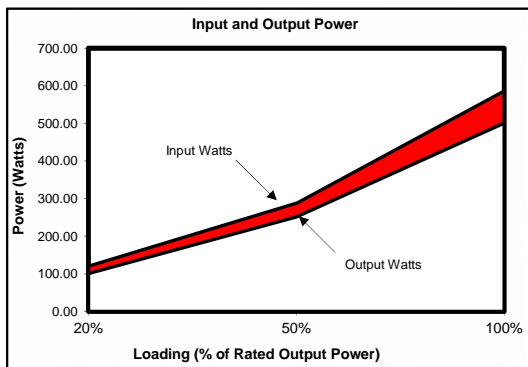
Rated Specifications	Value	Units
Input Voltage	115-240	Volts
Input Current	12	Amps
Input Frequency	50-60	Hz
<b>Rated Output Power</b>	<b>500</b>	<b>Watts</b>

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



Input AC Current Waveform (ITHD = 8.59%, 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		
1.06	0.98	9.93%	20%	Light	119.69	12/7	12/0.1	3.4/1.2	5.1/1.8	5.1/0.4	100.71	84.14%
2.55	0.98	8.59%	50%	Typical	287.60	12/17.5	12/0.2	3.4/3	5.1/4.5	5.1/1	251.27	87.37%
5.14	0.99	7.31%	100%	Full	586.10	12/35	11.8/0.5	3.3/6	5.1/9	5/2	500.71	85.43%



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/>

