

## 80 PLUS Verification and Testing Report

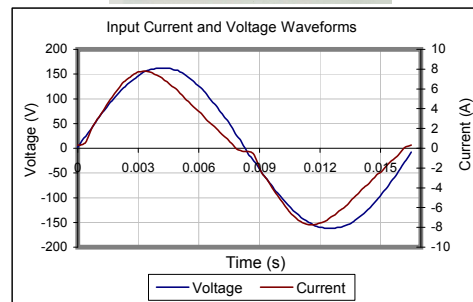
<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>91.12%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>89.60%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>



<b>Ecos ID #</b>	1150.1
<b>Manufacturer</b>	Segotep
<b>Model Number</b>	SG-600G
<b>Serial Number</b>	N/A
<b>Year</b>	2008
<b>Type</b>	EPS12V
<b>Test Date</b>	11/24/2008

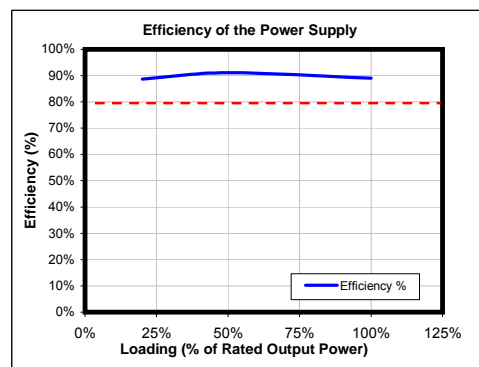
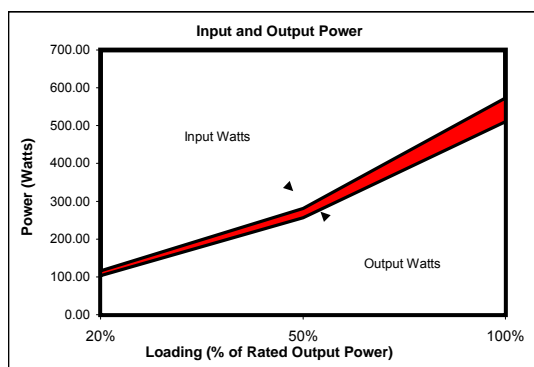
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	6/3	Amps
Input Frequency	50/60	Hz
<b>Rated Output Power</b>	<b>500</b>	<b>Watts</b>

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



Input AC Current Waveform (THD = 17.1%, 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	0.95	20.11%	20%	Light	116.10	12.4/6.3		12.2/0.1	3.3/2.6	5.2/2.6	5.1/0.5	102.90	88.63%
2.52	0.97	17.10%	50%	Typical	281.32	12.3/15.7		12.2/0.3	3.3/6.4	5.2/6.4	5.1/1.1	256.34	91.12%
5.10	0.98	13.40%	100%	Full	572.80	12.3/31.3		12.5/0.6	3.3/12.8	5.2/12.8	5.1/2.3	510.04	89.04%



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/>

